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STATE TEACHERS COLLEGE BULLETIN



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JUL 13 1920

KIRKSVILLE, MISSOURI
JUNE, 1920

BULLETIN

OF

STATE TEACHERS COLLEGE

KIRKSVILLE, MISSOURI

FOUNDED BY JOSEPH BALDWIN
AS THE NORTH MISSOURI NORMAL SCHOOL, SEPTEMBER 2, 1867
ADOPTED AS THE FIRST DISTRICT NORMAL SCHOOL, DECEMBER 29, 1870
UNDER ACT OF THE GENERAL ASSEMBLY, APPROVED MARCH 19, 1870
OPENED AS THE FIRST DISTRICT NORMAL SCHOOL, JANUARY 1, 1871
DESIGNATED NORTHEAST MISSOURI STATE TEACHERS COLLEGE
UNDER ACT OF THE GENERAL ASSEMBLY, APPROVED MAY 20, 1919

VOLUME XX NUMBER 6

JUNE, 1920

Published Monthly by
STATE TEACHERS COLLEGE

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under the Act of Congress of August 24, 1912.

Accepted for mailing at special rate of postage provided for in section 1103, Act of
October 3, 1917, authorized July 26, 1919.

1920

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WORKING CALENDAR

1920-1921

Classification of Students	Wed., Sept. 8
Class Work Begins	Th., Sept. 9
Fall Term Examinations.....	Sat., Sept. 11
Fall Term Ends	Tues., Nov. 23
Winter Term Begins.....	Mon., Nov. 29
Winter Term Examinations	Sat., Dec. 4
Adjournment, Winter Vacation, 3:00 p. m.	Wed., Dec. 22
Session Resumes, 8 a. m.	Tues., Jan. 4
Winter Term Ends.....	Wed., Feb. 23
Spring Term Begins	Mon., Mar. 7
Spring Term Examinations.....	Sat., Mar. 12
Baccalaureate Sermon	Sun., May 15
Spring Term Ends.....	Fri., May 20
Summer Term Program Making	Tues., May 31
Summer Term Class Work Begins	Wed., June 1
Summer Term Examinations	Sat., June 4
Summer Term Ends	Fri., Aug. 5

BOARD OF REGENTS

REGENT EX-OFFICIO

SAM A. BAKER State Superintendent of Public Schools, Jefferson City

REGENTS APPOINTED

C. W. GREEN.....	Brookfield
J. H. WOOD.....	Canton
DRAKE WATSON	New London
BEN FRANKLIN	Macon
ALLEN ROLSTON	Queen City
H. M. STILL.....	Kirksville

OFFICERS OF THE BOARD

C. W. GREEN.....	President
BEN FRANKLIN.....	Vice-President
H. M. STILL.....	Secretary
V. J. HOWELL.....	Treasurer

STANDING COMMITTEES

WOOD, FRANKLIN, STILL.....	Executive
BAKER, WATSON, ROLSTON.....	Teachers

FACULTY—1920-1921

OFFICERS OF ADMINISTRATION

JOHN R. KIRK.....	PRESIDENT
Graduate, Normal School, Kirksville; LL.D., Missouri Wesleyan College; LL.D., Park College.	
WILLIAM HENRY ZEIGEL.....	DEAN OF FACULTY
ELMA POOLE.....	REGISTRAR
LOIS DRAKE.....	SECRETARY
VIRGINIA SHOUSE.....	STENOGRAPHER
MRS. MAE WILSON JAMISON.....	EXTENSION SECRETARY
VANDA MITCHELL.....	RURAL EDUCATION STENOGRAPHER

TEACHING FACULTY

WILLIAM HENRY ZEIGEL.....	PROFESSOR OF MATHEMATICS
A. B., Missouri Valley College; A. M., University of Missouri; graduate student, University of Chicago.	
BYRON COSBY.....	PROFESSOR OF MATHEMATICS
A. B., University of Missouri; B. S. in Education, University of Missouri; A. M., University of Missouri; graduate student, University of Chicago.	
GEORGE HAROLD JAMISON.....	PROFESSOR OF MATHEMATICS
Graduate, Normal School, Kirksville; B. S., University of Chicago; A. M., University of Chicago.	
CHARLES A. EPPERSON.....	PROFESSOR OF MATHEMATICS
A. B., University of Missouri; B. S. in Education, University of Missouri; A. M., University of Missouri; Fellow University of Missouri; Fellow Rice Institute, Houston, Texas; Captain Coast Artillery, C. A. C.; graduate of the Orienteur Officers School, Libourne, France.	
BLANCHE FRANCES EMERY.....	PROFESSOR OF ENGLISH
Graduate, Normal School, West Virginia; A. B., University of West Virginia; graduate student, University of Chicago.	
WARREN JONES.....	PROFESSOR OF ENGLISH
Graduate, State Normal University, Normal, Illinois; A. B., University of Illinois; graduate student, University of Illinois; graduate student, University of Chicago.	
LULU DURLAND.....	PROFESSOR OF ENGLISH
Ph. B., University of Chicago.	
CLAUDE MERTON WISE.....	PROFESSOR OF DRAMATICS
A. B. in Education, Normal School, Kirksville; graduate studies, Washington University, St. Louis; A. M., University of Chicago.	
TALITHA JENNIE GREEN.....	PROFESSOR OF LATIN
Graduate, Normal School, Kirksville; A. B., University of Missouri; A. M., University of Missouri; graduate student, University of Chicago, Fellow in Latin, University of Chicago.	
PHILIPP SEIBERTH.....	PROFESSOR OF MODERN LANGUAGES
A. M., University of Indiana, 1898; graduate student, University of Indiana, 1898-1900; graduate student, Harvard University, 1902-3; graduate student, Columbia University, 1903-6.	
LEONARD ANCIL DALTON.....	PROFESSOR OF AGRICULTURE
B. S. in Agriculture, University of Missouri.	
LEWIS C. CLEVINGER.....	PROFESSOR OF AGRICULTURE
B. S. in Education, State Teachers College, Kirksville; graduate student in Science, University of Chicago.	
WILLIS JOSEPH BRAY.....	PROFESSOR OF CHEMISTRY
Graduate, Normal School, Cape Girardeau; A. B., University of Missouri; B. S. in Education, University of Missouri; A. M., University of Missouri; First Lieutenant, Ordnance Department U. S. Army—Explosives, Chemistry and Loading Division.	

-TEACHING SCHOLAR IN CHEMISTRY
TEACHING SCHOLAR IN CHEMISTRY
- A. G. REED.....PROFESSOR OF CHILD HYGIENE AND PUBLIC HEALTH
 B. S. in Education, Normal School, Kirksville; graduate student, University of Missouri, Summer, 1915; graduate student, University of Chicago, Summer, 1916; student of Therapeutics, 1916-1919, in Medical Department, American School of Osteopathy, Kirksville, Missouri; D. O., American School of Osteopathy.
- S. G. BANDEEN.....PROFESSOR OF BACTERIOLOGY AND PHYSIOLOGY
 V. M. D., M. S., Michigan Agricultural College, East Lansing, Mich.
- CECIL McLAUGHLIN.....NURSE AND TEACHER OF HOME NURSING
 Student two years, Findlay College, Findlay, Ohio; R. N., American School of Osteopathy, Kirksville, Mo.; Public Health Service, four years, Minneapolis, Minn.
- ETHEL DUERINGER.....PROFESSOR OF HOME ECONOMICS
 B. S., University of Chicago.
- GEORGIA GRAY.....PROFESSOR OF HOUSEHOLD ARTS
 B. S. University of Chicago.
, ..PROFESSOR OF HOME ECONOMICS AND DIRECTOR OF CAFETERIA COOKING
- JAMES STEPHEN STOKES.....PROFESSOR OF PHYSICS AND PHYSIOGRAPHY
 B. S., University of Missouri; Pd. B., University of Missouri; M. S., University of Missouri; A. M., Harvard University.
- FRANK M. DURBIN.....ASSOCIATE PROFESSOR OF PHYSICS AND PHYSIOGRAPHY
 B. S. in Education, State Teachers College, Kirksville.
- EUGENE MORROW VIOLETTE.....PROFESSOR OF EUROPEAN HISTORY
 A. B., Central College; A. M., University of Chicago; graduate student, Harvard University; graduate student, University of London.
- JOSEPH LYMAN KINGSBURY.....PROFESSOR OF ANCIENT HISTORY
 A. B., Dartmouth College; graduate student, University of Chicago; Fellow in History, University of Chicago.
- LUCY SIMMONS.....PROFESSOR OF HISTORY
 A. B., University of Missouri; B. S. in Education, University of Missouri; graduate student, University of Chicago.
- EUGENE FAIR.....PROFESSOR OF POLITICAL SCIENCE
 Graduate, Normal School, Kirksville; A. B., University of Missouri; A. M., University of Missouri; graduate student, Columbia University.
- J. F. PYLE.....PROFESSOR OF POLITICAL SCIENCE
 Graduate State Normal School, Terre Haute, Indiana; Ph.B., A.M., University of Chicago.
- PAUL OWEN SELBY.....PROFESSOR OF COMMERCE
 Student, Northwestern University; B. S. in Education, Normal School, Kirksville. Sergeant Co. F., 354 Inf., A. E. F.
- ANNE ELIZABETH BREWINGTON.....ASSOCIATE PROFESSOR OF COMMERCE
 Student University of Chicago. B. S. in Education, State Teachers College, Kirksville.
LIBRARIAN AND PROFESSOR OF LIBRARY ECONOMY
- HELEN GRANT GRAY.....CATALOGER
 Student, Library School, Riverside, California; B. S. in Education, Normal School, Kirksville.
- RUTH WOOLMAN.....ASSISTANT LIBRARIAN
 A. B., University of Cincinnati; graduate student, Columbia University and University of Chicago; graduate of Drexel Library School.
- HARVEY LEE McWILLIAMS.....PROFESSOR OF PHYSICAL EDUCATION FOR MEN
 Graduate, Normal School, Kirksville; LL. B., University of Missouri; graduate student, University of Wisconsin; student in Students' Army Training Corps, Ft. Sheridan, Ill., summer, 1918.
- MIRIAM ANDERSON.....PROFESSOR OF PHYSICAL EDUCATION FOR WOMEN
 A. B., Illinois Woman's College.
- MRS. JO WALKER HUMPHREY.....ADVISER OF WOMEN
- RAYMOND N. CARR.....PROFESSOR OF MUSIC
 A. B., Shurtleff College, Alton, Ill., graduate Northwestern University School of Music.

- JOHN LAFON BIGGERSTAFF.....PROFESSOR OF MUSIC
Student with Hans von Schiller and with Mrs. Metz (pupil of Moszkowski); Harmony with Adolph Brune; Clarinet with Eberhard Ulrici; Piano Tuning and Repairing with Ernest R. Rosen; Theory with H. B. Maryott; B. Mus. American Conservatory, Chicago.
- JOHANNES GOETZE.....PROFESSOR OF MUSIC
Student of Band Instrument, Government Band School, Dusseldorf and Cologne; Piano and Violin, Cologne Conservatory under Ferdinand Von Hiller; in Cologne Orchestra one year, under Johannes Brahms.
- SIGNE ADOLPHSON.....PROFESSOR OF MUSIC
B. S., University of Minnesota.
- EDWARD N. HOWELL.....PROFESSOR OF MANUAL ARTS
B. S. in Education, Normal School, Kirksville.
-PROFESSOR OF AUTO-MECHANICS AND FARM MACHINERY
- LENA ESTELLE PATTERSON.....PROFESSOR OF INDUSTRIAL ARTS
A. B., Ohio University, Athens; B. S. in Education, Normal College, Ohio University, Athens; A. M., Teachers College, Columbia University, N. Y.; Assisting scholarship in Fine Arts, Teachers College, Columbia University.
- EDNA GREEN.....PROFESSOR OF FINE ARTS
B. S. in Education, Normal School, Kirksville.
- MARK BURROWS.....PROFESSOR OF RURAL EDUCATION
A. B., Normal School, Kirksville.
- ROSAMOND ROOT.....PROFESSOR OF RURAL EDUCATION
Life Certificate, State Normal College, Ypsilanti, Michigan; student, University of Michigan; Ph. B., University of Chicago.
- THURBA FIDLER.....PROFESSOR OF RURAL EDUCATION AND SUPERVISOR
IN DEMONSTRATION SCHOOLS
B.S. in Education, Normal School, Kirksville; A.M., George Peabody College for Teachers.
- FELIX ROTHSCHILD...PROFESSOR OF SECONDARY SCHOOL ADMINISTRATION AND EDUCATIONAL SOCIOLOGY.
A. B., University of Missouri; graduate student University of Wisconsin; graduate student University of Chicago; graduate student Teachers College of Columbia University.
- H. G. SWANSON.....DIRECTOR OF DEMONSTRATION SCHOOL
B.S. in Education, Normal School, Kirksville; A. M., George Peabody College for Teachers, Nashville, Tenn.
- MABEL M. RICHARDS.....DIRECTOR IN DEMONSTRATION SCHOOLS
B. S., A. M., University of Missouri.
- LAURIE DOOLITTLE, DIRECTOR IN DEMONSTRATION SCHOOLS; CHAIRMAN COMMITTEE
ON CO-ORDINATION OF ELEMENTARY SCHOOL STUDIES.
Student Drake University; B. S. in Education, Normal School, Kirksville; graduate student, University of Chicago.
- GEORGIA L. TATUM.....SUPERVISOR IN DEMONSTRATION SCHOOLS
B. S. in Education, Normal School, Kirksville.
- LOUISE KIRKHAM.....SUPERVISOR IN DEMONSTRATION SCHOOLS
Graduate, State Normal School, Carbondale, Illinois; B. S. in Education, University of Chicago.
- MILDRED RIEGER.....SUPERVISOR IN DEMONSTRATION SCHOOLS
B. S. in Education, State Teachers College, Kirksville.
- WILLIE WHITSON.....SUPERVISOR IN DEMONSTRATION SCHOOLS
Student in Senior College, Kirksville.
-SUPERVISOR OF KINDERGARTEN

The list of class room teachers in Elementary Schools and lower junior high school can not yet be given.

SUMMER TERM INSTRUCTORS

IRENE TROXELL, A. B., Midland College, Atchison, Kan.
MARIE JOHNSON, B. S., State Teachers College, Kirksville, Mo.
W. H. BURRESS, B. S., State Teachers College, Kirksville, Mo.
REVA LINT, B. S. in Home Economics, Kansas Agricultural College.
FLORA M. HEYD, A. B., University of Missouri.
H. E. NETTLES, B. S., University of Missouri.
W. E. MEALS, B. S., State Teachers College, Kirksville, Mo.
E. H. BASH, Senior College Student, State Teachers College, Kirksville, Mo.
N. D. HOUGHTON, Senior College Student, State Teachers College, Kirksville, Mo.
WALTER RYLE, B. S., State Teachers College, Kirksville, Mo., graduate student, University of Chicago.
JIMMIE DILLINGER, B. S., State Teachers College, Kirksville, Mo.
EARLE DILLINGER, Senior College Student, State Teachers College, Kirksville, Mo.
MILDRED NULTON, B. S., State Teachers College, Kirksville, Mo.
JOHN NEFF, B. S., State Teachers College, Kirksville, Mo., Graduate Student, University of Wisconsin.
CLETA HOUSE, Senior College Student, State Teachers College, Kirksville, Mo.
IDA SEIDEL, Senior College Student, State Teachers College, Kirksville, Mo.
ELSIE POST, Senior College Student, State Teachers College, Kirksville, Mo.
BRACY CORNETT, Senior College Student, State Teachers College, Kirksville, Mo.
THOS. EDWARDS, B. S., State Teachers College, Kirksville, Mo.
OSTA B. FUERT, B. S., University of Mo.
T. H. SCHETTE, A. B., University of Illinois; A. M., University of Illinois; Graduate Student, University of Chicago.
VELDA COCHRAN, Senior College Student, State Teachers College, Kirksville, Mo.

STANDING COMMITTEES OF THE FACULTY

(Reorganized each year in May; term of service one year, beginning in September.)

Member first named on each committee is chairman.

ATHLETICS: McWilliams, Anderson, Jamison, Dalton.

BULLETIN: Violette, Edna Green, Goetze.

CREDENTIALS: T. Jennie Green, Epperson, Biggerstaff, Fair.

EXAMINATIONS: Simmons, Durbin, Jamison.

EXCESS CREDIT: Jones, Pyle, Brewington.

EXTENSION: Selby, Burrows, Rothschild.

FACULTY ADVISORS: Kingsbury, Dueringer, Patterson, Richards.

FACULTY COURTESIES: Kirkham, Durbin, Adolphson.

HEALTH: Reed, Bandeen, McLaughlin, Humphrey.

LIBRARY: Librarian, Fair, Swanson, Durland.

RECOMMENDATIONS: Cosby, Burrows, Stokes, Violette, Doolittle, Emery.

SCHOOL COMMUNITY ENTERTAINMENT: Emery, Wise, Doolittle, Kingsbury, Carr, Rieger, Clevenger.

STATE AND COUNTY CERTIFICATES: Bray, Fidler, Tatum, Root.

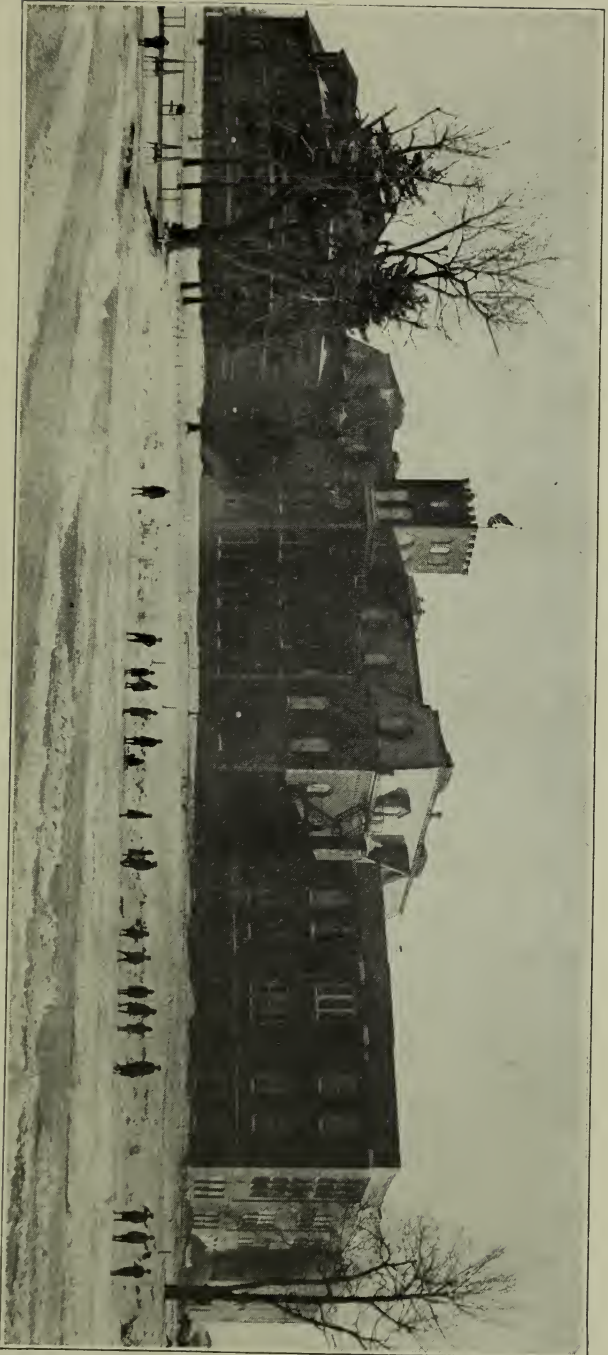
STUDENT AID AND EMPLOYMENT: Dalton, Humphrey, Howell.

FACULTY SECRETARY: Cosby.

FIELD WORK: Zeigel, Humphrey, McWilliams.

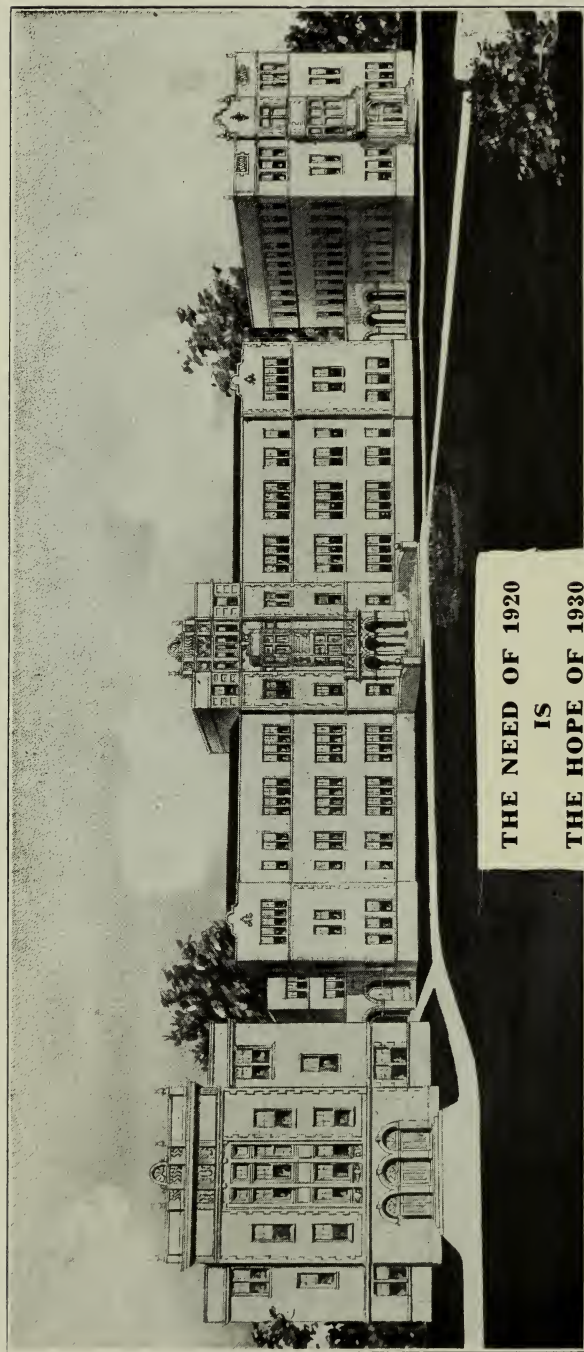
NOMINATIONS: Fair, Zeigel, Violette, Doolittle, Emery.

The President of the Teachers College is ex-officio a member of each committee and subject to call by each chairman.



JANUARY 1, 1919

At left: Library Hall. In middle: Baldwin Hall. At right: Science Hall, now reconstructed and in use.



THE NEED OF 1920

IS

THE HOPE OF 1930

PROPOSED BUILDING FOR STATE TEACHERS COLLEGE, KIRKSVILLE, MO.

MODERN, SUBSTANTIAL, FIRE-PROOF, PERMANENT.

A 10-YEAR BUILDING PROGRAM.

**At left: New Auditorium-Gymnasium-Demonstration School Building. In middle: New Administration Building.
At right: New Science Hall.**

ENTERING

Calendar. The fall term opens Wednesday, Sept. 8. Programs will be made that day. Classes meet on the next day.

Prepare Credentials in Advance. Students desiring credit for studies taken in other schools and colleges must file with the Credentials Committee on or before the date of entrance a complete statement of such credit. Certificates of credit should be in definit form and must be signed by proper teachers or officials of the school attended. On request Teachers College will furnish blanks in which definit statements of credit may be made for each school attended.

What the Credentials Should Show. Credentials should show: (1) The number of months attended in each school above the eighth grade; (2) every study pursued above the eighth grade, the number of months in each study, the number of recitation periods per week, and the average length in minutes of recitation periods in each study; (3) they should show the number of high school units of credit in each study of high school grade and the number of semester hours of credit in each study of college grade.

Advanced Standing. Those bringing credentials from accredited high schools, academies, colleges, normal schools and universities receive advanced standing unit for unit and semester hour for semester hour.

Credit From Unaccredited Schools. Nearly every unaccredited or partially accredited school has been rated by the state superintendent of schools. The accredited studies are therefore known. Students from such unaccredited or partially accredited high schools receive credit indicated by the state superintendent's rating. Those coming from unclassified private educational institutions in which their work was done prior to July 1, 1917, may have their credits evaluated by the Credentials Committee. When at a later date these credits are approved by the Visiting Committee they will be permanently entered in the Teachers College records.

Approval of Subjects Taught. Students who have taught subjects in high schools approved by state inspectors or by similar accrediting agencies in other states will be given high school credit

for those subjects in the event that they have not previously received high school credit or college credit in the same.

Credit for Military Service. A maximum of 12 hours' credit is granted for service in the military forces of the United States. The credit is apportioned approximately as follows: 12 hours for 12 months' service, 9 hours for 6 months' service, 6 hours for 3 months' service. Also ex-service men, upon the presentation of proper credentials, may receive credit for courses completed in reputable educational institutions including specialized military schools.

Examinations for Advanced Standing. Students desiring credit from schools of any kind in greater amount than is allowed by the state superintendent's rating may take examinations to prove their right to such credit. Students who have mastered studies under competent teachers, inside or outside institutions, may prove their knowledge of such studies thru examinations during the first week of the term, but they should be able to give the name and state the professional standing of each of such teachers; and each student may have three terms in which to take examinations in all unaccredited studies, but examinations are not to be taken in the lower forms of a study after the student has pursued in this institution the higher forms of that study. See Advanced Standing, B 1 (k), Conference Proceedings page 60 of this bulletin.

The Incidental Fee. The incidental fee is ten dollars per term, payable in advance. No other fees are allowed; but students are charged for breakages in laboratories and they are fined for misuse of library books.

No Return of Fees. Incidental fees are not refunded for any cause whatsoever. They are not allowed to apply on any period excepting that for which they are paid in advance.

Program Card. The daily program card is a receipt for the incidental fee. It contains agreements signed by the student. It must be substantially identical with a duplicate on file in the President's office.

Order of Procedure. 1. On reaching Teachers College the student goes to the Registrar's office and gets receipt for the incidental fee, ten dollars.

2. The student fills out a matriculation card.
3. The student returns matriculation card to be filed.
4. The student presents grade cards and other credentials to the Credentials Committee, if that has not been done in advance.
5. The student receives from the Credentials Committee a card showing classification as: (1) a high school student, (2) a college student, or (3) a special student.
6. The student now plans a program for the term.

Classification. Classification and programs of students must be in harmony with the highest ideals and the sanest standards of the educational era in which we live. To this end:

1. College students are differentiated into (1) those of the junior college and (2) those of the senior college.

2. Students having less than 60 semester hours of credit constitute the junior college; those having 60 or more semester hours of credit constitute the senior college.

3. Students in the junior college are to select their studies mainly from junior college subjects; those in the senior college are to select their studies mainly from senior college subjects.

4. A candidate for the Bachelor's Degree should have approximately 60 hours of senior college credit.

5. All college courses are designated by Arabic numerals: Junior college courses, by numbers 1 to 99 inclusive; those of the senior college, by numbers 100 to 199 inclusive.

How Many Studies. (1) Typical students may have four studies without consulting the Committee on Excess Credit. (2) From 20 to 30 per cent of the students by consent of the Committee on Excess Credit may have four and one-half studies. Manual Arts, Freehand Drawing, Sight Reading, Gymnasium work are half studies. (3) About 5 per cent of all students by permission of Committee on Excess Credit may have five studies each.

Faculty Members Make Programs. On the first day of the term members of the faculty will be distributed by departments in rooms easily accessible to students. A program committee will advise with new students and help them to make out their programs. Each department will be ready to advise students with reference to its particular courses. No subject should be entered in the program without the consent of some member of

the department in which the subject is taught. Faculty members, President, Dean, Registrar, and clerks are accommodating and anxious to help new students to select a good working program.

Change of Program. A program should be chosen with extreme care. After choice has been made, the student should exert the greatest possible effort to carry the program selected and complete its several courses. No student can change classes or drop a subject without the written consent of the teacher of the subject and official approval at President's office, and then only during the first four weeks of the term.

How to Apply for a Certificate or Diploma. A student who wishes to obtain a certificate or diploma at the end of any quarter must fill out an application card and file it with the Registrar by the end of the fifth week of the quarter. A student who fails to comply with this necessary provision will be asked to pay \$1 for the privilege of making application.

CERTIFICATES, DIPLOMAS, DEGREES

1. Rural State Certificate. It is equivalent to the Teacher Training Certificate. The requirement is sixteen units of prescribed high school studies—the last three months being in the Teachers College.

2. 30-Hour Certificate. It is an elementary state certificate valid for two years—based upon an approved four year high school course and one year in academic and pedagogic studies of college grade. The minimum residence requirement is two terms.

3. 60-Hour Diploma. It is a life diploma designating ability to teach in elementary schools—based upon an approved four year high school course and two years in studies of college grade. The minimum residence requirement is three terms.

4. 90-Hour Diploma. It is a life diploma designating ability to teach and supervise teaching in high schools and elementary schools—based upon an approved four year high school course and three years in studies of college grade. The minimum residence requirement is three terms.

5. 120-Hour Diploma. It is a life diploma bearing the Bachelor's Degree—based upon an approved four year high school

course and four years in studies of college grade. The minimum residence requirement is three terms.

It is thus seen that the Teachers College plan of certification meets the definite needs of teachers at various stages of their preparation. It is of primary importance to students who must teach awhile and go to school awhile because of not being able to finish a college education by continuous study through four successive years.

Positions for Teachers. The Committee on Recommendations assists Boards of Education in securing satisfactory teachers. About 25% of the total enrollment is placed in very satisfactory positions by the Committee on Recommendations; the remaining 75% are either continuing in school or secure positions before enrolling in the summer school. Those placed by the Committee on Recommendations average about 25% higher in salary than those who secure positions by their own efforts.

The work of the committee comes chiefly in the summer term. This bulletin goes to press at the end of the second week of the summer term. One hundred twenty nine positions have been filled already by the committee. These with initial salaries are distributed as follows: 30 Superintendencies—maximum \$2700, minimum \$1350, average \$1912; 8 high school principalships—maximum \$2250, minimum \$1600, average \$1503; 40 high school positions—maximum \$2500, minimum \$1000, average \$1227; 51 positions for elementary teachers—maximum \$1600, minimum \$900, average \$1000. The demand for capable teachers greatly exceeds the supply.

The committee had placed by June 10th teachers in the following named states: Kansas, South Dakota, Iowa, Oklahoma, Missouri, California, Ohio, Oregon and Illinois. By the close of the summer session teachers will have an opportunity to go into many other states. The outlook for salaries of holders of the 60-hour diploma or better is extremely encouraging. No fee is charged Boards of Education; but to pay postage, telegrams, telephone tolls and printing, a fee not exceeding one dollar is charged every student who enrolls with the committee.

Rooms and Meals. A majority of our students have their rooms with private families. They are welcomed into the homes of the best people in Kirksville. The rates for rooms vary from

small amounts up to about \$2.50 per week per student. The average per student including heat and light is nearly \$2.00 per week, two in a room, with modern conveniences. Meals for typical students cost from \$4.00 to \$7.00 per week, with an average approximating \$5.00 per week per student. Rooms for light housekeeping may be had at reasonable rates. Rooming houses must be exclusively for men or exclusively for women. A parlor must be provided for the use of young women when they have guests. Treatments for women students in rooming houses are to be chaperoned when given by men. All inquiries for rooms and board, whether for men or women, should be addressed to Mrs. Jo Walker Humphrey, Adviser of Women.

The Cafeteria. This institution has long conducted a first class department of Home Economics. Practical courses in cafeteria cooking led to the establishment of a cafeteria in comfortable, ventilated, fire-proof rooms. Its equipment includes the best appliances for cookery to be secured in the United States.

The cafeteria is the first of its kind in a Missouri Teachers College. It opened on the first day of the summer term two years ago. It furnishes meals at cost, with ample variety from which each student may select. It insures wholesome food and well balanced rations, changing from day to day.

The cafeteria draws upon the "state farm" for many supplies. It furnishes employment for about twenty students, preferably students in Home Economics, both men and women. It pays for student labor about \$140 each week. Many students earn their living expenses while helping to conduct the cafeteria. It is a laboratory where scientific facts are tested in practice.

The dairying Laboratory. This is another means of testing and using scientific knowledge. It gives a few students opportunity to earn their living expenses while carrying a program of college studies. It makes and sells butter. It buys milk from the school farm and from neighboring farmers, and as a practical application of dairying, pasteurizes and sells the milk at a reasonable profit. It furnishes about ten gallons of ice cream daily for the cafeteria and also a good quality of cottage cheese.

Employment Bureau. Women students desiring to reduce expenses by work in private families or elsewhere should address

Mrs. Jo Walker Humphrey, Adviser of Women. Men students desiring employment should address L. A. Dalton, Professor of Agriculture, or John Jack, Chief Caretaker. Letters address to the President, Dean, or Registrar will receive prompt attention. Many students earn their expenses thruout long periods of time.

Student Loan Fund. There are several loan funds, free of interest charge, available to worthy students while attending this institution. The class of 1912 founded a student aid fund which amounts to \$500, the interest from which is loaned to either men or women. The Alpha Sigma Alpha Sorority recently established a small loan fund which is to be increased from time to time until it amounts to at least \$500. The interest on this fund is loaned to women only. President Kirk is custodian of both of these funds. The Monday Club of Kirksville, an organization of Kirksville women, has a fund of \$850, all of which is available for loans to women. Mrs. J. A. Cooley of Kirksville is Treasurer of this fund. The Federation of Women's Clubs of Missouri has a large fund from which loans are made annually to girls and young women thruout the State in high schools and colleges. Applications should be made to Mrs. Henry N. Ess, 2416 Brooklyn Ave., Kansas City, Mo. The Gentry-Parrish Memorial Fund amounting to over \$500 was raised thru contributions of the faculty, the alumni and the students of this institution some time ago in honor of the late Professor Gentry and Miss Parrish of the faculty. The interest on this fund is available as loans to either men or women. Mr. E. M. Violette of Kirksville is Treasurer of this fund. The Y. W. C. A. of the College makes occasional loans to young women from the profits of the stand which it maintains in the College. Mrs. Jo Walker Humphrey is in charge of these loans.

Leaving Town. Enrolling students agree not to leave Kirksville during the term without permission from the President or the Dean of the Faculty.

Social Entertainments. Each student agrees not to attend dances or other social parties on the afternoon or night of Monday, Tuesday, Wednesday, or Thursday during the school term, excepting by permission from the President.

High School Contests. Under the direction of the State Teachers College the third annual series of contests were held in Kirksville April 29, 30, and May 1, 1920. A year ago 25 high

schools were represented in 10 contests with 581 participants. The awards consisted of 48 medals, 7 cups and 6 certificates. This year 36 high schools were represented in 17 contests with 1289 participants. The awards consisted of 57 medals and 12 cups. Teachers college entertained contestants and registered teachers free. Meals were furnished at the college cafeteria. Rooms were provided in private homes and boarding houses. The various classes of the Teachers College furnished rest rooms for high school delegations and acted as hosts for the different high schools.

The orderliness, cooperation, and ability to make adjustments on the part of visiting students have been reasons for much favorable comment by faculty members and townspeople. Several counties of Northeast Missouri held county elimination contests in anticipation of the meet at Kirksville. Commercial clubs in several counties encouraged local contests, gave financial aid, and chartered cars to send their representatives to Kirksville. The Kirksville Commercial Club contributed \$1000 in support of the meet. Citizens of Kirksville helped to provide for the comfort of visitors. This series of contests has the full support and approval of the Northeast Missouri Activities Association. Contests were held in dramatics, quick breads, plain cakes, sewing, reading and speaking, orchestra, grain judging, poultry judging, stock judging, industrial arts, fine arts, stenography, track and field, chorus (sight singing) and chorus (prepared). Plans are being made for the fourth annual series of contests in the spring of 1921.

Judges for the High School Contests. The contests of May, 1920, cost the Teachers College more than \$3000. That of 1921 will no doubt be larger and more difficult to finance. It requires the utmost effort of all faculty members aided by the students and many others to direct all these contests. Securing professional experts to act as judges has thus far been exceedingly difficult and expensive. It is however the present view of the administration of the college that judges for all the highly complicated contests such as those between orchestras and choruses must be secured from outside our section of the state and preferably from other states. This seems necessary for educative purposes and also to relieve all decisions between contestants from any possibility of local or institutional or personal coloring.

Student Senate and Council. Many inquiries come to this Teachers College as to whether it has a system of "student government." The answer is: It has and it hasn't. Our students, are in a large measure, unconscious of the thing commonly called "government." They are self-governing men and women. The daily assembly giving close contact between all the students on the one hand and all the faculty and administrative officials on the other, yields results like those of a large family in which the parents and the children have confidence in one another and live sociably with one another. If student government means a lot of arbitrary rules and regulations whereby a few students police the institution and regulate the daily conduct of others then this school hasn't student government.

Every student in residence is a member of the student council. Elected representatives from some eighteen to twenty voluntary college organizations constitute the Student Senate. The Council elects a president and secretary who serve as president and secretary of both Council and Student Senate. These brief and simple procedures are provided for in a constitution. The Senate at stated meetings discusses problems appertaining to the welfare of the students and the interests of the institution. Thru its officials the Senate counsels frequently with the president and faculty of the institution.

The Senate is a coordinating and cooperating agency that submits to the Council many matured policies representing the best thought of both students and faculty. Policies that are approved by the Council receive the united support of the students. Thru the cooperation of the Student Senate and Council many of the large undertakings of the institution have been accomplished. The Senate and Council promote all wholesome voluntary school activities, including especially athletics, debating, high school contests, and community entertainments of many varieties.

The daily assembly periods are frequently given over to the Student Council. The faculty members ordinarily remain present as interested and friendly spectators. They are at times requested to absent themselves.

It is interesting, and exhilarating to have the president of the Student Council come forward and take over from the president or dean of the institution under parliamentary procedures the di-

rection of business to be brot before the Student Council. In this way important policies and plans are discussed in frank and outspoken fashion and decisions reached, crystalizing student sentiment and bearing fruit in student support. These activities of the Senate and Council exemplify cooperative democracy in college life.

Physical Health. The value of an institution's knowing the physical condition of its students is no longer questioned. The department of Child Hygiene and Public Health provides for a careful and detailed examination of each student enrolled at least once per school year and oftener if necessary. The best specialists, surgeons, and physicians available aid in conducting these tests. Records of the health tests are as carefully kept as are other credentials. In case recommendations are made regarding the improvement of any individual's health these recommendations are expected to be followed, or a satisfactory reason offered by the student for not doing so.

Physical exercise being indispensible to the health of any individual, each student is expected to arrange for at least one hour of physical activity each day. This may be taken in gymnasium classes, on the athletic field, by means of hiking trips or brisk walking in the open air, or nearly any form that takes the student out of doors in his activity.

Plays and Players. The annual tour of the Devereux Players has in two years become an establisht phase of the summer school life, quite as much as was formerly the annual visit of the Coburn Players. The Devereux program of Ibsen, Hugo, Rostand, and Tchekov plays in 1918, followed by a repertory from Shakespeare, Sheridan and Goldsmith in 1919 left nothing to be desired in high class dramatic art. The coming of the Devereux Players to our outdoor stage in July is one of the delights of the summer school.

Summer Opera. The popular custom of having a light opera each summer has been resumed. In 1919 the Music Department, assisted by the Dramatic Club and the departments of Physical Education, Industrial Arts and Household Arts, gave a performance of "Erminie" that competent critics pronounce the most finished ever given in Kirksville. Even finer things are to be hoped for this summer.

Meeting the Needs. Teachers College at Kirksville offers inreast advantages for professional preparation and advancement. Teachers and prospective teachers should enrol for the summer and fall terms. Teachers College grants elementary certificates and life diplomas which entitle the holders to teach in the elementary schools and high schools of Missouri. It confers the bachelor's degree on completion of four years of college studies. It offers the typical course of a regular four year high school for students who have not finished such courses. It also enables teacher training graduates to change their certificates to first grade county certificates.

The Outlook for 1920. Missouri is in need of teachers. During the ensuing year there will be a shortage of 140,000 teachers in the United States, 5,000 of whom will be in the State of Missouri. Right or wrong, many well qualified teachers are quitting the profession. To meet the desperate situation several states have passed minimum salary laws and have made provisions for increased tax levies. Missouri will soon provide adequately for her teachers. Our state must retain its capable teachers and make the profession so attractive that our most talented boys and girls will desire to enter it. Consequently salaries of teachers cannot remain at present low levels, but must advance rapidly. There will be quick promotion for capable men and women who REMAIN IN THE PROFESSION. The outlook is equally bright for active, vigorous young men and women who wish to BECOME teachers.

The world's equilibrium has been seriously upset. In many ways this is a hopeful sign. But it carries with it distressing inconveniences and not a few grave dangers. Viewed from any angle the problems of reconstruction and readjustment of conflicting aims and contentions rest fundamentally upon the school. It is in the schoolroom that our big civic, social and moral problems find ultimate solution. It is in the give and take, in the free discussion and self-expression as practiced in the schoolroom that the real basis of a working democracy is laid. It is here that the thinkers and leaders in all occupations and professions are trained. The work of the schoolmaster is fundamental. His place is unique and he must be provided for. To cripple the brain power of the world is to plunge the world into chaos. Teachers colleges are the state's chosen instruments to safeguard the public from any

such catastrophe. The State Teachers College at Kirksville stands ready to do its part for the state and the nation.

The Demonstration Schools. The Demonstration Schools extend thru:

1. The kindergarten.
2. The elementary schools, first to sixth grades inclusive.
3. The junior high school, seventh to ninth grades inclusive.
4. The senior high school, tenth to twelfth grades inclusive.

The demonstration phase of the school functions thru lessons conducted for the benefit of the education classes in the various teaching subjects listed under college courses from 11 to 41 inclusive, and for students enrolled in practice teaching.

One quarter in practice teaching in the elementary school is required for those students taking an elementary, or 30-hour, certificate, and an additional quarter for those taking the 90-hour diploma.

Practice teaching in the high school is allowed to be carried by those students who are preparing to teach in high schools, and who have finished 60 hours of college work.

There is no break in the work of the demonstration school from the kindergarten thru the high school. Each supervisor is acquainted with the children's environment and prepares each child to pass naturally into the next higher group. In fact, each supervisor, under the departmental plan, follows closely the individual child thru several years of work. The children themselves feel that they are parts of the whole demonstration school rather than members of a certain grade.

Many activities are group activities rather than the activities of a grade or a stratum. Each group frequently conducts "guest" recitations in which the children have entire charge of a program and entertain other groups of children or groups of teachers. In this way the children are demonstrating the project method of teaching practical English. They are also learning in the school of their own experiences, and learning to adjust themselves to the social group.

The following year the junior high school will have a junior high school club. Their programs will grow out of their school activities, and will be conducted by the children. The kindergarten and elementary school will use the Little Theater for reg-

ular assembly exercises and other group programs. All students of the Teachers' College are invited to attend these programs and to study methods of motivating subject matter thru the projects which grow out of the child's independent or directed experiences.

The teaching staff of the demonstration school for the coming year will be classified as follows:

1. One kindergarten supervisor.
2. Eight classroom teachers for the elementary school and part of the junior high school.
3. Two supervisors for the lower elementary grades.
4. Five supervisors for the upper elementary school grades and part of the junior high school grades.
5. Departmental instructors for the upper classes in the junior high school and for all classes in the senior high school.

The "Four Year" High School. Students accustomed to the standard "four year" high school and desiring to pursue and complete their high school education in this teachers college will have all the advantages offered by any high school and will be expected to conform substantially to the following suggested courses:

First Year: From Algebra, American History, Biology, Bookkeeping, Farm Accounts, Fine Arts, General Science, Grammar and Composition, Household Arts, Industrial Arts, Music, Physical Education.....4 units.

Second Year: From Advanced Arithmetic, Agriculture, American Literature and Rhetoric, Civics, European History, Fine Arts, Industrial Arts, Latin, Music, Physical Education, Physical Geography, Typewriting.....4 units.

Third Year: From Agriculture, Civics or American History, American Literature and Rhetoric, Household Arts, Industrial Arts, Manual Arts, Latin, Music, Physical Education, Physiology, Physics, Plane Geometry, Rural Education, Typewriting4 units

Fourth Year: From Advanced Algebra, Civics or European History, Commercial Geography, Industrial Arts, Manual Arts, Literature and Rhetoric, Music, Physical Education, Physics, Rural Education3 units

Total15 units.

Learning by Participation. This is for intending High School Teachers. It is sometimes called the Wisconsin Plan. The intending teacher enters the high school class, pursues the studies with high school students and recites with them until called out by the regular teacher of the class and appointed temporary teacher of the class, to be teacher for a time while the class pursues the study of some chapter or section or phase of the subject. The temporary student teacher thus "works out" a project under guidance and criticism of the regular teacher. The plan is highly satisfactory as far as it has been tried.

DEFINITIONS

A "term" covers 10 to 12 weeks.

A "school year" is three terms approximating nine school months.

A "unit" is a credit earned by the successful pursuit of a high school study or its equivalent for three terms or one "school year."

The "semester hour" means 18 typical class periods in a college study.

The "unit" measures all high school credits and no others.

Each typical college study yields $2\frac{1}{2}$ semester hours in a term. Typical college classes meet four times per week, but each class must meet at least 45 times in a term. Class periods are 50 minutes in the clear.

Gymnasium work, Sight Reading in Music, First Year Drawing, Manual Arts, Typewriting and Chorus work when taken 1 period per day are "half credit studies," and valued at 1-6 unit or $1\frac{1}{4}$ hours.

REQUIREMENTS IN ALL COURSES

Freshman Year

Authorizing a Certificate valid in the state for 2 years.

	Semester Hours
1. From Education, 1a, 1b and 15	$7\frac{1}{2}$
2. From Education, 21, 23, 25, 27, elect	5
Minimum in Education	$12\frac{1}{2}$
3. From Half Credit Studies, elect	5
4. Electives	$12\frac{1}{2}$
Total credits	30

Note 1. An additional Elementary certificate is issued on completion of 4 studies in residence with an average of G. But see notes 1 and 2 on next page.

Note 2. The $12\frac{1}{2}$ hours of electives must be selected in due relation to one another and for some definite purpose.

Note 3. Graduates of high school Teacher Training courses may elect (after consultation with the chairman of the department) $7\frac{1}{2}$ hours in Education and offer $22\frac{1}{2}$ hours in other subjects.

Freshman and Sophomore Years Combined

Authorizing an Elementary Diploma with Life Certificate.

	Semester Hours
1. From Education, 1a, 1b and 15	$7\frac{1}{2}$
2. From Education, 21, 23, 25, 27, elect	5
3. From Education, 3, 5, 7, 8, 9, 10, 11, elect	5
Minimum in Education	$17\frac{1}{2}$
4. Preferred Major Study	$7\frac{1}{2}$
5. Preferred Minor Study	5
6. From Half Credit Studies, elect	5
7. Electives	25
Total Credits	60

Note. Definite need in an early teaching position may, by approval of President, be reason for modifying No. 2 and substituting other courses in the study of the teaching of specific subjects.

Freshman, Sophomore, and Junior Years combined

Authorizing a Diploma with Life Certificate to teach in all public schools.

	Semester Hours
1. From Education, 1a, 1b and 15,	7½
2. From Education, 3, 5, 7, 8, 9, 10, 11, elect.	5
3. From Education, 125a, 125b, elect.	2½
4. From studies in the teaching of specific subjects	5
5. From Education, elect.	2½
Minimum in Education.	22½
6. Major Subject	15
7. First Minor	10
8. Second Minor	5
9. From Half Credit Studies, elect.	5
10. Electivs.	32½
Total credits.	90

Freshman, Sophomore, Junior and Senior Years Combined

Authorizing Diploma with Life Certificate and Bachelor's Degree.

	Semester Hours
1. From Education, 1a, 1b and 15,	7½
2. From Education, 3, 5, 7, 8, 9, 10, 11, elect.	5
3. From Education 125a, 125b,	2½
4. From studies in the teaching of specific subjects	5
5. From Education, of Senior college rank.	5
Minimum in Education	25
6. Major Subject.	22½
7. First Minor Subject.	15
8. Second Minor Subject.	10
9. Electivs	42½
10. From Half Credit Studies, elect.	5
Total credits.	120

Note 1. The successful candidate for a certificate or diploma must have earned the last 10 semester hours of credit in this institution; and no certificate or diploma will be issued except at the end of a term in residence.

Note 2. The minimum time in residence for an Elementary Certificate is 2 TERMS; for any diploma, 3 TERMS in residence.

Note 3. Each student is expected to take one term in physical education during each year in residence.

Note 4. History and Political Science constitute different departments, but in making up required majors and minors American Constitutional History may be counted in either department. In general it will be well to consult the chairman of a division or department when seeking to meet requirements as to majors and minors in the division or department.

CAUTION: A student of the senior college who selects any study from the junior college list should be able to offer some good reason for such action. An undue proportion of junior college studies in the program of a senior college student will necessitate diminished credits for such junior college studies.

EDUCATION

HIGH SCHOOL COURSES

IIIa.	The Psychology of Learning.....	one third unit
IIIb.	School Management	one third unit
IVa, b and c.	Methods and Observation.....	one unit
IVd.	Rural Life Problems	one third unit

COLLEGE COURSES

1a.	Introduction to Teaching	2½ Semester Hours
1b.	Educational Psychology	2½ Semester Hours
3.	Principles of Teaching	2½ Semester Hours
5.	Rural Sociology	2½ Semester Hours
7.	The Elementary Course of Study	2½ Semester Hours
8.	Methods in Intermediate Grades	2½ Semester Hours
9.	Rural School Administration and Supervision	2½ Semester Hours
10.	Junior High School Methods	2½ Semester Hours
11.	Kindergarten and Primary Methods	2½ Semester Hours
13.	Kindergarten and Primary Methods	2½ Semester Hours
15.	Study and Practice Teaching in Elementary School	2½ Semester Hours
21.	The Teaching of English in Elementary Schools	2½ Semester Hours
23.	The Teaching of Arithmetic	2½ Semester Hours
25.	The Teaching of History in Elementary Schools	2½ Semester Hours
27.	The Teaching of Geography	2½ Semester Hours
29.	The Teaching of Music	2½ Semester Hours
33.	The Teaching of Household Arts	2½ Semester Hours
35.	The Teaching of Science	2½ Semester Hours
37.	The Teaching of Physical Education	2½ Semester Hours
39.	The Teaching of Plays and Games	2½ Semester Hours
41.	The Teaching of Manual Arts	2½ Semester Hours
101.	Vocational Guidance	2½ Semester Hours
102.	Educational Sociology	2½ Semester Hours
103.	Educational Psychology	2½ Semester Hours
105.	Principles of Education	2½ Semester Hours
107.	History of Modern Education	2½ Semester Hours
109.	History of Education in United States	2½ Semester Hours
111.	Modern School Systems	2½ Semester Hours
113.	The Teaching of Music	7½ Semester Hours
115.	The Teaching of Mathematics in High Schools	2½ Semester Hours
117.	The Teaching of History in High Schools	2½ Semester Hours
119.	The Teaching of Latin	2½ Semester Hours
121.	The Teaching of Modern Languages	2½ Semester Hours
123.	The Teaching of Commerce	2½ Semester Hours
125a.	Study and Practice Teaching	2½ Semester Hours
125b.	Study and Practice Teaching	2½ Semester Hours
127.	High School Problems	2½ Semester Hours
129.	School Administration	2½ Semester Hours
131.	Supervision of Instruction	2½ Semester Hours
133.	Intelligence Tests and Measurements	2½ Semester Hours
135.	The Teaching of Industrial Arts	2½ Semester Hours
137.	The Teaching of High School Science	2½ Semester Hours
139.	The Teaching of Theory of Music	2½ Semester Hours
141.	The Teaching of Home Economics	2½ Semester Hours
143.	The Teaching of High School English	2½ Semester Hours
145.	Organization and Administration of Vocational Education	2½ Semester Hours
147.	Methods of Teaching Vocational High School Agriculture	2½ Semester Hours
149.	Methods of Teaching Vocational High School Agriculture	2½ Semester Hours
151.	Supervised Practice Teaching in Vocational High School Agri.	2½ Semester Hours
153.	Supervised Practice Teaching in Vocational High School Agri.	2½ Semester Hours
155.	Practice Teaching in Home Economics	2½ Semester Hours
157.	Practice Teaching in Household Arts	2½ Semester Hours
161.	Problems in Modern Education	2½ Semester Hours
163.	Principles and Methods of Teacher Improvement	2½ Semester Hours

SYNOPSIS OF COURSES

COMMERCE

P. O. SELBY, ANNE ELIZABETH BREWINGTON JOSIE LOUGHEAD,

High School Courses

II. Bookkeeping. 1 unit. Offerd each term. MR. SELBY.

III. Typewriting. 1 unit. Offerd each term. MISS BREWINGTON and MISS LOUGHEAD.

IV. Penmanship. 1-6 unit. Spring and summer terms.

College Courses

1a, b and c. Stenography. The primary object in offering this subject is to prepare students to teach it, and special attention is given to the teaching of stenography. Gregg shorthand is used. There are beginning classes nearly every term. $7\frac{1}{2}$ hours. MISS BREWINGTON.

2a, b and c and 3a, b and c. Typewriting. Six terms of work are offerd in Typewriting, but the work may be done in one year's time by taking two periods per day, thus accompanying the study of Stenography. Touch-writing, speed-writing, and business correspondence are phases of the study. The first four terms of the work follow a manual. The fifth and sixth terms are devoted to writing of material furnisht and training in speed. Students who have studied Typewriting and the other business subjects in high school will be placed in advanced work and will be excused from the beginning courses. $7\frac{1}{2}$ hours. Offerd every term. MISS BREWINGTON AND MISS LOUGHEAD.

11. Penmanship. This includes both technical and teaching phases of muscular movement in writing. $1\frac{1}{4}$ hours. Summer term.

15a, b and c. Elementary Accounting. Opening and keeping the books, business statements, partnership and corporation accounting, analysis sheets, business forms and office practice. Students having had high school bookkeeping will omit 15a. $7\frac{1}{2}$ hours. Offerd each term. MR. SELBY.

17a. Business Law. Contracts, negotiable instruments, common carriers, agency, partnership, corporations, insurance. A brief survey. $2\frac{1}{2}$ hours. Fall term. MR. SELBY.

19a. Secretarial Work. Practice in stenography and exercises from an office training manual. Prerequisite: Stenography 1c. $2\frac{1}{2}$ hours. MISS BREWINGTON.

105a, b and c. Commercial Geography. 105a. The industries with agriculture as a basis. Winter term. 105b. Fundamentals of manufacture. Spring term. 105c. Study of transportation, foreign resources, and the laws of trade. Summer term, 1921. $7\frac{1}{2}$ hours. MR. SELBY.

115. Cost Accounting. Prerequisite: Accounting 15. $2\frac{1}{2}$ hours. Fall and summer terms. MR. SELBY.

117. Banking Practice. $2\frac{1}{2}$ hours.

125. Office Methods. Study of and work with the various machines and appliances for business offices. $2\frac{1}{2}$ hours. Fall, winter and spring terms. MR. SELBY.

Related Courses

Business English. See English 19. $2\frac{1}{2}$ hours.

Economics. See Political and Social Science 101. $7\frac{1}{2}$ hours.

The Teaching of Commerce. See Education 123. $2\frac{1}{2}$ hours.

(The Department has an outline of a four-year program to be followed by those preparing to teach Commerce in high schools. A copy will be forwarded upon request.)

EDUCATION

MARK BURROWS, ROSAMOND ROOT, THURBA FIDLER, H. G. SWANSON,
FELIX ROTHSCHILD, LAURIE DOOLITTLE, MABEL M. RICHARDS,
LOUISE KIRKHAM, GEORGIA TATUM, MILDRED RIEGER,
WILLIE WHITSON and some twenty-five others
designated in various departments

High School Courses

The courses of secondary rank are offered to candidates for the Elementary Rural State Certificate issued by the State Superintendent of Schools and during the summer school to those who wish to make approved grades in education for county certificates.

Requirements for the Rural State Certificate: The candidate for this certificate must present sixteen units of secondary credits. Three of these units must be in English; two in mathematics; two in history (one of which must be American history); one in agriculture, and one in some other science; one unit in industrial or fine arts; one in reviews; two units of education; and three units are elective. High school graduates usually complete these requirements in two terms of work. The certificate is issued for two years, and may be used in rural and elementary schools in Missouri.

IIIa. The Psychology of Learning. A study in the essential facts and fundamental laws of human behavior. Such topics are considered as habit, association, attention, instinct, perception, memory, imagination, emotion, reasoning. Attention is paid to the physiological correlates of these processes. $\frac{1}{2}$ unit. MISS ROOT.

IIIb. School Management. The organization of the school. Teacher's relation and responsibilities to school officers, superintendent, patrons and social life of the community. The efficient management of the school. Study of hygiene, sanitation, and decoration of the school. Daily program and recitations. Discipline. $\frac{1}{2}$ unit. MISS FIDLER.

IVa. Methods and Observation. A course considering the theory of method and emphasizing the origin and use of subject matter; the function of teaching as related to control of values; motivation as a means of generating and directing activity, etc. $\frac{1}{2}$ unit. MISS ROOT.

IVb. Methods and Observation. Factors determining the selection of subject matter. The methods of learning involved in reading, language, penmanship, spelling and arithmetic, with the corresponding methods of teaching these subjects. References will be made to the Missouri state course of study. $\frac{1}{2}$ unit. MISS ROOT.

IVc. Methods and Observation. Factors determining the selection of subject matter. The methods of learning involved in geography, history, physiological, and the vocational subjects with the corresponding methods of teaching these subjects. Reference will be made to the Missouri state course of study. $\frac{1}{3}$ unit. Miss Root.

IVd. Rural Life Problems. A study of the changes of rural life with reference to the re-direction of the rural school. $\frac{1}{3}$ unit. MR. BURROWS.

College Courses

1a. Introduction to Teaching. An orienting course designed to guide the beginning freshman student thru such information and advice as will aid him in preparing for a definite teaching career. The various types of teaching service will be studied. For this purpose instruction will be correlated with visits to the various departments of the school and a representative from each department will aid in giving the course. $2\frac{1}{2}$ hours. MR. BURROWS.

1b. Educational Psychology. A study of mental life, the laws underlying human behavior and experimental work to show how these laws may be determined. $2\frac{1}{2}$ hours. Miss Root.

3. Principles of Teaching. A study of the principles and practices involved in good teaching with a consideration of such topics as attention and interest, habit formation, development of imagination and the thinking powers, appreciation, and play as a factor in education. Special attention will be given to the technique of teaching and class management. This course should be preceded by Education 1a and 1b. Offered winter, spring, and summer terms. $2\frac{1}{2}$ hours. MR. BURROWS.

5. Rural Sociology. A study of conditions of life in the country and the agencies for improvement; the importance of agriculture; the economics and business organizations; marketing; wages and labor; rural credit; improvement of farm homes and health; transportation; recreation; education; religion; the rural social mind. A consideration of the part rural education will take in making the necessary social adjustments. $2\frac{1}{2}$ hours. Miss Root.

7. Elementary Courses of Study. An analysis of the socialized course of study to discover the subject matter which contributes to vocational, health, civic, avocational, and moral efficiency. The course is shown to function in furnishing knowledge, developing habits, and establishing ideals and appreciations. $2\frac{1}{2}$ hours. Miss Root.

8. Methods in Intermediate Grades. Methods for fourth, fifth, and sixth grades. How to lessen retardation in these grades. Projects to motivate the subject matter of the state course of study. How to work out lesson units based on the child's interests. A study of texts and materials for intermediate grades. $2\frac{1}{2}$ hours. Miss FIDLER.

9. Rural School Administration and Supervision. Designed for those preparing for supervision in rural education. $2\frac{1}{2}$ hours. MR. BURROWS.

10. Junior High School Methods. This course deals with the organization and management of the Junior High Schools. A study of the needs of reorganizing the upper grades of the elementary schools; an analysis

of special courses of study not in use with the conditions determining them; a survey of textbooks to meet this need; methods and organization of subject matter; preparation of teachers. $2\frac{1}{2}$ hours. MISS ROOT.

11. Kindergarten and Primary Methods. A study of the plays and games of little children and the actual playing of rhythmic games and folk-dances. Methods of teaching reading, phonics, language, spelling, writing, and also story-telling will be considered. Offerd fall, spring and summer quarters. $2\frac{1}{2}$ hours. MISS KIRKHAM AND MISS COCHRAN.

13. Kindergarten-Primary Methods. A relation of community life, primitive history, natural sciences, construction work and games to arithmetic and to the manipulation of a variety of play materials, such as sand, clay, building blocks, paper, textiles, and nature materials. Actual projects. Offerd winter and summer quarters. $2\frac{1}{2}$ hours. MISS KIRKHAM AND MISS COCHRAN.

15. Study and Practice Teaching in Demonstration School. Study and teaching of one subject or more one period daily for a term. This course is required for the Elementary certificate. $2\frac{1}{2}$ hours.

21. The Teaching of English in Elementary Schools. This course is offerd for teachers in rural schools and in the six grades of the elementary schools. Selection of subject matter for and methods of teaching literature, spelling, writing, language, and story-telling are considered. $2\frac{1}{2}$ hours.

23. The Teaching of Arithmetic. This course endeavors to meet the actual difficulties encountered in the teaching of arithmetic. It will enable the student to judge the comparative values of various topics, texts, and processes in arithmetic. $2\frac{1}{2}$ hours.

25. The Teaching of History in the Elementary School. A concrete study of the problems that confront the teachers of history in the elementary school. The members of the class will study the work done in history in the Demonstration School and from time to time the supervisors of the Demonstration School will conduct certain demonstrations before the class. $2\frac{1}{2}$ hours. MR. VIOLETTE, MR. KINGSBURY, MR. FAIR.

27. The Teaching of Geography. An inquiry into the nature and scope of modern geography and its relation to nature study and the sciences, with special attention to the organization of materials and methods of presentation. Offerd every term. $2\frac{1}{2}$ hours. MR. BURROWS.

29. The Teaching of Music. Methods in Music. $2\frac{1}{2}$ hours.

33. The Teaching of Household Arts. Students should have studied both Food Preparation and Sewing before taking this course. $2\frac{1}{2}$ hours.

35. The Teaching of Science. The equipment of laboratories and laboratory technique and the content and method of presentation of science courses in the public schools will be studied. $2\frac{1}{2}$ hours. MR. STOKES, MR. BRAY, AND MR. WRIGHT.

37. The Teaching of Physical Education and Athletics. A laboratory course conducted chiefly thru use of Demonstration School children. Principles of Coaching. Selection, training and conditioning of men. The technique and practice of football, basketball, baseball, and track and field athletics. $1\frac{1}{2}$ hours. MR. McWILLIAMS.

39. The Teaching of Plays and Games. A course in theory and practice designed to meet the needs of teachers in these subjects. 2½ hours. MISS KOCH.

101. Vocational Guidance. A course covering "Education for Adjustment" with effort to understand the current transformation in education which emphasizes interests and motives of individuals, the course to end in some survey problems with purpose of habituating the intending teacher to the formation of independent plans for definite surveys and studies in future community service. 2½ hours.

102. Educational Sociology. A study of group influence in education, with reference to the home, the play group, the community group, labor and farm organizations, social and cultural clubs, fraternal societies, and the church, with reference to the changes needed in educational practice looking to a more complete socialization of both rural and city schools.

105. Principles of Education. An advanced course in the science and philosophy of education, covering in a general way the whole field of technical pedagogics. Free class discussions with frequent appeals to the student's own experiences and observation and library readings. A thesis is required. 2½ hours.

107. History of Modern Education. A study of the evolution of educational thought and practices with a view to a better understanding of present day problems in education. While this course is a history of education rather than a history of pedagogy, yet it is designed to give an adequate insight into class room practices as evolved from the comparatively simple systems of the past to the complicated and detailed systems of to-day. Particular attention will be given to the development of American education. 2½ hours. MR. BURROWS.

115. The Teaching of Mathematics in High Schools. This course shows the value and place of secondary mathematics in the curriculum. It helps to organize the material of algebra and geometry and to correlate these subjects with allied subjects. 2½ hours.

119. The Teaching of Latin. Open to students who have had three or more years of Latin. Reasons for the study of Latin and its practical value; suggestions on making the most from a two year course in Latin by association with English; selection of material for the second year; the constructions which should be taught with each year; preparation of charts illustrative of the value of Latin; uses of slides, maps, reference books; preparation of programs for Latin clubs; dramatization, games, helpful devices for first and second years. 2½ hours. MISS GREEN.

123. The Teaching of Commerce. A study of the commercial curriculum for high schools, methods in teaching stenography, typewriting, commercial geography, bookkeeping, etc.; use of demonstration materials; demonstration teaching and observation. 2½ hours. Summer term. MR. SELBY.

125a. Study and Practice Teaching in Demonstration School. An advanced study of the art of teaching. Opportunity is given to select, under advice, the work more beneficial in furthering the student's plans for the future. Prerequisite: Course 15. 2½ hours.

125b. An Elective Course in Advanced Practice Teaching. Taken under advice or consent of the department of Practice. $2\frac{1}{2}$ hours.

127. High School Problems. An advanced course presupposing previous study in the more elementary course in teaching, organization and management. It deals with the specific problems of the high school with particular reference to the matter and form of the curriculum. Questions relating to the social life of the school, and the vocational significance of the school studies are considered concretely in free class discussions. This course is designed primarily for high school teachers and superintendents and is given regularly in the summer quarter. $2\frac{1}{2}$ hours. MR. ROTHSCHILD.

129. School Administration. A study of the general problems which affect the work of a superintendent or supervisor. An attempt is made to acquaint the superintendent with the latest results that have been found as a result of the scientific study of education. Special emphasis will be placed on the organization and administration of principles as affected by the Missouri School Laws. $2\frac{1}{2}$ hours.

133. Intelligence Tests and Measures. A critical study in the rich and growing literature of "scales," "standards," "tests" and "measures" for the purpose of preparing students to share in the present active search for more accurate methods of measuring student life, teacher efficiency, school room methods, and school systems. A simple concrete test of "student efficiency" is made in the demonstration school. Each member of the class makes a special study of some "test" or "scale" and reports its aim and method to his classmates together with his own judgment of its validity. Open to advanced students in Education. $2\frac{1}{2}$ hours.

135. The Teaching of Fine Arts and Industrial Arts. Required of all who make Art their major subjects. Prerequisites are General Art 1a, b, c, and a general review of Industrial Arts for educational and vocational aims. A study of Methods and Courses of Study. $2\frac{1}{2}$ hours.

143. The Teaching of English in High Schools. Discussion centers around principles in use in high school instruction, subject matter for literature, composition both oral and written, dramatization and methods of teaching this material as well as practical programs for "Better English." $2\frac{1}{2}$ hours.

163. Principles and Methods of Teacher Improvement. A course designed to discover principles and methods which may be applied directly to the practices of the teacher in service. The aim of such a study is founded upon the belief that the processes of education must be real in order to secure more adequate and economical results for the child. This implies that the teacher's actual experience in the service of teaching must form the basis for the solution of the problems of teaching and that improvement can be better facilitated by the application of educational theory and method to the solution of concrete problems. The direct improvement of the teacher in service will ultimately result in education that is purposeful. $2\frac{1}{2}$ hours. MR. ROTHSCHILD.

ENGLISH

BLANCHE F. EMERY, WARREN JONES, C. M. WISE, LULU DURLAND, -----.

High School Courses

Ia. Elementary Reading and Speaking. A practical course for junior high school students planned as an introduction to the field of high school literature and that of oral expression. $\frac{1}{3}$ unit.

Ia and b. Grammar and Composition. Courses for students who have not had regular first and second year high school courses. $\frac{2}{3}$ unit.

IIa and b. American Literature. Two courses covering the main writings from the time of Irving to the twentieth century. $\frac{2}{3}$ unit.

IIIa, b and c. English Literature. A study of English literature from the time of Chaucer to the present day. 1 unit.

IVb. Contemporary Literature and Magazine Study. A study of the contemporary American authors and their works with a fairly detailed study of present day magazines in America. $\frac{1}{3}$ unit.

IIa, IIb, IVc. Rhetoric. A unit's work in practical composition both oral and written. These courses should preferably come not consecutively in one year, but one in each of the three years of Senior high school. 1 unit.

Junior College Courses

3a, b and c. American Literature. A survey course of the field of American Literature thru the formative period, the New England Renaissance and the present day. $7\frac{1}{2}$ hours.

5. English Literature. A rapid survey course in English with types studied to represent the different periods. $2\frac{1}{2}$ hours.

15. Advanced Oral Reading. This course is designed for elementary teachers who need direction in oral reading. $2\frac{1}{2}$ hours.

17a, b and c. Bible as Literature. 17a is a study of Old Testament narratives; 17b, of Poetry and Wisdom of the Old Testament; 17c, of the New Testament. $7\frac{1}{2}$ hours.

19. Business English. Offered for stenographic students. $2\frac{1}{2}$ hours.

21a and b. Practical English. Fundamental courses in practical writing and practical speaking. 21a emphasizes writing; 21b, speaking. 5 hours.

23. The Chaucerian Age. $2\frac{1}{2}$ hours.

25. The Puritan Age. $2\frac{1}{2}$ hours.

27. Romance Poets. $2\frac{1}{2}$ hours.

31. Children's Literature. A study of the material for children's reading in the elementary school. $2\frac{1}{2}$ hours.

33. Pageantry. Literature and Composition course. $2\frac{1}{2}$ hours.

39a and b. Community Drama. 39a, dramatization of literary and historical themes for all grades, the dramatic method of teaching, costume, scenery, lighting, make-up, amateur directing, little theater ideals; 39b, dramatic composition course. The little theater will be used as a laboratory for both these courses. 5 hours.

Senior College Courses

101a, b and c. Nineteenth Century English Literature. 101a is a study of the poets; 101b, the essayists; 101c, the novelists. 7½ hours.

103. Tennyson and Browning. 2½ hours.

105. Modern Fiction. 2½ hours.

107a, b and c. Modern Drama. 107a, Scandinavian and German drama; 107b, English, Irish, French, Russian, Spanish and Italian dramas; 107c, American drama, the one-act play, little theater literature. 7½ hours.

115. Short Story. 2½ hours.

117a and b. Shakespere. 117a, Shakespere's predecessors, Shakespere's comedies; 107b, Shakespere's tragedies. 5 hours.

118. Seventeenth and Eighteenth Century Drama. Shakespere's immediate successors, restoration drama, Sheridan and Goldsmith. 2½ hours.

123. Eighteenth Century Prose. 2½ hours.

127. Modern Poetry. This course includes the production of original poems with a view to competing for the Annual Scholarship of twenty-five dollars, known as, "The G. S. Allison Scholarship in Poetic Competition." 2½ hours, summer.

131a and b. Journalism. Practical work on the school paper. 5 hours.

133. Pageantry. 2½ hours.

137. Debating. 2½ hours.

139. Community Drama. 2½ hours.

141. American Literature. The philosophic background of the Transcendental movement; the beginnings in the writings of Carlyle, Coleridge and Wordsworth; Emerson, Thoreau, Fuller, Alcott, and others of the Transcendental group. 2½ hours.

FINE ARTS AND INDUSTRIAL ARTS

EDNA GREEN, LENA PATTERSON, -----

High School Courses

Ia. Elementary Design. Presented in paper cutting, abstract design and color theory. 1-6 unit.

Ib. Perspectiv and Color Theory. In pencil, crayon, charcoal, and water colors. 1-6 unit.

Ic. Applied Design. 1-6 unit.

College Courses

1a, b and c. General Art. The work of these three quarters is divided in the same way as that of the High School Drawing Classes. The studies are presented with a view toward teaching the prospective teacher how to present art to children. This course gives the student sufficient preparation to enable him to teach Drawing in the elementary schools. 3¼ hours.

The following courses are to prepare special teachers and supervisors in elementary schools, high schools, and normal schools.

3. Advanced Drawing and Painting. Freehand drawing in charcoal and pencil from objects, still life, and figure. Painting in oil, water color from figures, animals, still life, and landscapes. Prerequisite: 1b or its equivalent. 2½ hours.

103. Advanced Drawing and Painting. For students who desire more advanced work along this line. Prerequisite: 1b or equivalent and 21. 2½ hours.

5. Sketching. Landscape and figure sketching in charcoal, pencil, water color, and oil. Study of perspective and composition of landscapes, street scenes, and interiors. Summer term. Prerequisite: 1b or 3. 2½ hours.

105. Sketching. For senior students. More advanced and better work will be required. Prerequisite: 3 or equivalent and 21. 2½ hours.

7a, b and c. Design. To develop the power to appreciate fine qualities of proportion, arrangement, dark and light, and color. Application of designs and color to practical problems. Planning stage scenery and costumes. Intended to meet the needs of students in Household Arts, Manual Arts, Industrial Arts, and those interested in Design in general. 7½ hours.

107a, b and c. Design. For senior students. Prerequisite: 1a and 3. 7½ hours.

9. Costume History and Design. Instruction is given in the principles of design and color harmony as applied to textiles, embroidery, and costume. The history of costume is studied for the suggestions which it affords designers of modern costume. Some instruction in Fine Arts must precede this course. 2½ hours.

109. House Decoration. The application of the principles of design and color harmony to wall, window, and floor decoration, carpets, pictures, and furniture. Prerequisite: 21 and 1a. 2½ hours.

11. Rural School Art. A course in Fine and Industrial Arts planned to meet the needs of the rural schools. Stress is placed upon the use of materials at hand and the means by which the principles of Fine and Industrial Arts may function in the home and community. Actual class room experience in the handling of materials. Prerequisite: 1a. 2½ hours.

13a, b and c. Industrial Arts. This course deals with those typical forms of industrial art work which are practical in the elementary grades. 13a is a study of the evolution of books and printing. 13b is a study of clothing and 13c deals with food, shelter, tools, and utensils. Prerequisite: Primitive and Ancient Life 15a. 7½ hours.

113a. Art in journalism, advanced printing, cartoons, illustration, book-making, design and color. Prerequisite: 3a and 31a. 2½ hours.

113b. Advanced dyeing, printing and weaving. Prerequisite: 7a, 113a, Social and Industrial History. 2½ hours.

113c. Advanced pottery, clay modeling, basketry and weaving with all kinds of reeds. Prerequisite: 7a. 2½ hours.

15. Poster Design. Planned to meet the immediate needs of the school activities. Prerequisite: 1b. 2½ hours.

115. Poster Design. For senior students. Prerequisite: 1b, 3 or 5, 21a, Practical English. 2½ hours.

17. Art Appreciation. This course is planned for those who wish a knowledge of the principles of art structure without the actual execution. No drawing is given in this course and it has no prerequisite. 2½ hours.

21. Orthographic Sketching and Perspective Drawing. A beginning course in Mechanical Drawing and Perspective intended to meet the needs of students in Household Arts, Interior Decoration, Sketching, and Manual Arts work. 2½ hours.

31. The Teaching of Fine and Industrial Arts. See Education 31. Prerequisite: 1a and 13c. 2½ hours.

135. The Teaching of Fine and Industrial Arts. For senior students. See Education 135. Prerequisite: 13b, 13c, 1a and 1b. 2½ hours.

101a, b and c. Art History and Appreciation. A prerequisite to this course is a course in Primitive and Ancient Life and European History. 7½ hours. Prerequisite: 17.

19a, b and c. China Painting. In this course the student is required to make original designs and color schemes, learn different ways of applying them and to fire the kiln. Prerequisite: 7a. 7½ hours.

119a, b and c. China Painting. For senior students. Prerequisite: 7a. 7½ hours.

HISTORY

E. M. VIOLETTE, J. L. KINGSBURY, LUCY SIMMONS, J. F. PYLE

High School Courses

Ia, b and c. Ancient History. For high school freshmen. An introductory study of the history of the ancient Mediterranean world. The first quarter includes a study of the early Oriental nations down to the beginning of Grecian civilization; the second quarter deals with the Greeks, the Hellenistic Age and the Early Roman Republic; the third quarter, with the later Roman Republic and the Roman Empire to the triumph of the Barbarians and the end of the ancient world. 1 unit. MISS SIMMONS.

IIa, b and c. Medieval and Modern History. For high school sophomores. A general survey of all of the great events of the middle age, the rise of nations, the Protestant Reformation, the French Revolution and the expansion of Europe in the nineteenth century. The first quarter begins with a study of the rise of the papacy and ends with the revolt of Germany against the papacy. The second quarter extends to the unification of Italy and Germany in 1870. The third quarter extends to the present including a special study of the recent World War. 1 unit. MISS SIMMONS.

IIIa, b and c. American History. For high school juniors or seniors. This course is planned to give the student a general knowledge of American history. The first quarter deals with a study of the colonial period down to the beginning of the American nation; the second quarter, down to the beginning of the Civil War; and the third quarter, down to the present time. 1 unit. MISS SIMMONS.

College Courses

PRIMARILY FOR ELEMENTARY SCHOOL TEACHERS

For those intending to teach in the elementary schools and those pre-

cluded from extensive preparation in college history, the following courses are offered. They are organized so as to supplement the ordinary high school courses in history and to develop in some detail the social and industrial phases of all the periods of history given in the elementary schools and the first two years in the junior high schools.

15a. Primitive and Ancient Life. This course deals chiefly with the social life of primitive and ancient peoples from prehistoric times down to the fall of the Roman Empire. Special emphasis will be given to the Greeks and the Romans. The course aims to be helpful to those who are to teach history in the lower grades. $2\frac{1}{2}$ hours. MISS SIMMONS.

15b. Medieval and American Colonial Life. This course is a continuation of 15a and deals chiefly with the social life in Europe during the middle age and in the English colonies in America. It is designed for the special benefit of those who are to teach sixth and seventh grade history. $2\frac{1}{2}$ hours. MISS SIMMONS.

15c. American National Life. This course is a continuation of 15b and deals with the chief social and industrial factors that have tended to build up our national life since the American Revolution. The settlement of the West, internal improvements, immigration, the development of the various industries and the social life of the people are among the topics stressed. $2\frac{1}{2}$ hours. MISS SIMMONS.

Teaching of History in the Elementary School. See Education, 25.

GENERAL COLLEGE COURSES

1a, b and c. Medieval and Modern History. A course giving a broad and general view of the development of Western Europe from the last days of the Roman Empire to the present time, with special emphasis on the more recent period. The first quarter is devoted to the period closing at about 1300; the second quarter, to the period closing with Frederick the Great; and the third quarter, to the period closing with the present time. It is recommended that this course should precede all the other college history courses that are listed in this group. $7\frac{1}{2}$ hours. MR. VIOLETTE.

3a, b and c. Ancient History. A course in the political history of the ancient period. The first quarter deals with the Oriental world; the second quarter, with the Greek world; and the third quarter, with the Roman world. Special emphasis is placed on the lives of some of the great characters of each country and upon the characteristic political and social institutions. $7\frac{1}{2}$ hours. MR. KINGSBURY.

7a, b and c. English History. A general survey of the history of England and the British Empire from the earliest times to the present. The first quarter covers the period down to 1500; the second quarter deals with the institutional development from 1066 to 1500 and then covers the period down to 1689; the third quarter covers the period down to the present. $7\frac{1}{2}$ hours. MR. VIOLETTE.

9. Missouri History. A course in which certain of the more important topics in the history of Missouri are studied intensively and in connection with their historical setting in American history. Owing to the centennial

celebrations that will be held in Missouri during 1920 and 1921 in commemoration of the admission of Missouri into the Union, this course will prove of special value to the teachers of Missouri at this particular time, inasmuch as they will be called upon to assist and in many cases to take the lead in arranging for local centennial celebrations. 2½ hours. MR. VIOLETTE.

13. History of the Great War. A course dealing with the conditions that prevailed in recent times tending to the outbreak of the war, the progress of the war, and the negotiations for peace. 2½ hours. MR. VIOLETTE.

103a, b and c. Ancient Civilization. A study of the social, economic, intellectual and religious life of the ancient world. Emphasis is placed upon such topics as the position of women, the development of agriculture, manufactures and commerce, methods of education, growth of national literatures, and the artistic and religious life of the nations considered. The course in Ancient History is a prerequisite for all except those who are majoring in the Latin department. This course alternates with the one in Western European Civilization. 7½ hours. MR. KINGSBURY.

105a, b and c. Western European Civilization. A study of the great social, religious, economic and political institutions of Western Europe during the medieval and modern periods. Emphasis will be placed upon such topics as feudalism, guilds, commercial leagues, universities, the papacy and institutions of government of the medieval period, and upon the rise and development of our present day institutions. The course in Medieval and Modern History is a prerequisite. This course alternates with the one in Ancient Civilization. (Not given in 1920-21). 7½ hours. MR. VIOLETTE.

107a, b and c. Nineteenth Century History. A detailed investigation of the history of Europe since 1815. The first quarter deals with western Europe from 1815 to 1871; the second quarter, from 1871 to the present; the third quarter, with the history of the Balkans and Russia from 1815 to the present and with the Far East in recent times. This course must be preceded by the one in Medieval and Modern History or its equivalent. 7½ hours. MR. VIOLETTE.

109a, b and c. Latin American History. A study of the discovery and settlement of Central and South America; the condition and degree of civilization of the Indian inhabitants; the government of and life in the colonies; causes, events and results of the Revolution; and the social, economic and political progress to the present time. This course must be preceded by either the course in Medieval and Modern History or the one in American Constitutional History. 7½ hours. MR. KINGSBURY.

111. Recent Social and Economic History of Europe. A course dealing with the social and economic development of Europe in very recent times. The course must be preceded by the one in Medieval and Modern History. 2½ hours. MR. PYLE.

113a, b and c. Social and Industrial American History. A course that deals with the social and economic problems that have arisen in the history of our country. The first quarter deals with the colonial period; the second quarter, with the period from the Revolution to the Civil War; the third quarter with the period since the Civil War. Such topics as land

tenures, household industries, labor problems, agriculture, manufacturing, etc. are discussed in such a manner as to show their influence upon our social, industrial, educational and political development. $7\frac{1}{2}$ hours. MR. PYLE.

- 115. American Constitutional History.** See Political Science, 111.
Teaching of History in the High Schools. See Education, 117.

LATIN

T. JENNIE GREEN

High School Courses

Ila, b and c. Beginning Latin. Regular first year work. 1 unit.

IIla, b and c. Caesar. Selections from the seven books of the Gallic War, in amount equal to the first four books. One lesson each week in prose composition. A brief survey of Caesar's life and the military tactics of his day. 1 unit.

College Courses

1a and b. Cicero's Orations. Six orations read, usually the Manilian Law, Pro Archia, Pro Marcello, and selections from the four against Catiline. Composition each week. 5 hours.

3. Ovid. Selections from the Tristia, Heroides, Amores, Ars Amatoria, Remedia Amoris and Metamorphoses. Mythology and scansion. $2\frac{1}{2}$ hours.

5a and b. Vergil. The first six books of the Aeneid. Metrical reading, historical setting, mythology, and memorizing of a few choice passages. 5 hours.

7. Sallust. Bellum Catilinae. A comparison with Cicero's account of the conspiracy; style of the writer, composition. Regularly given during the summer quarter. $2\frac{1}{2}$ hours.

9. Word Study. A link for connecting Foreign Language study with English. Designed also to meet needs of those not acquainted with Foreign Languages who desire better knowledge of the mother tongue. $2\frac{1}{2}$ hours.

101. Livy. Book XXI. and Selections. Faults and excellencies of the author as a historian. Given in the fall quarter. $2\frac{1}{2}$ hours.

103a. Horace. Most of the four books of Odes. Given in the winter. $2\frac{1}{2}$ hours.

103b. Horace. Selections from the Epodes, Satires, and Epistles including Ars Poetica. Given in the spring. $2\frac{1}{2}$ hours.

The Teaching of Latin. See Education 119. Given in the summer. $2\frac{1}{2}$ hours.

105. Cicero's Essays De Amicitia and De Senectute. $2\frac{1}{2}$ hours.

107. Cicero's Letters. Selections bearing on the events and the people with which the student of Latin already has some acquaintance. $2\frac{1}{2}$ hours.

109. Plautus. Two plays. $2\frac{1}{2}$ hours.

111. Terence. Two Plays. $2\frac{1}{2}$ hours.

LIBRARY

-----, RUTH WOOLMAN, HELEN GRAY

The Library is open from 7:30 a. m. to 9 p. m. except Saturday when the hours are from 8 a. m. till noon.

The general Library consists of 22,865 bound and accessioned volumes, classified according to the Dewey decimal system and fully cataloged. The collection also contains upwards of 6,000 government publications, a pamphlet collection containing among other items, sets as complete as can be obtained of the Bureau of Education Bulletins and the Farmers Bulletins of the Department of Agriculture; there is also a picture collection. 115 current periodicals are subscribed to.

Reference works, including dictionaries, encyclopedias and special works, are on open shelves in the reading room.

Library Economy

1. This is an elementary course designed to introduce the student to the use of the College Library and give him an insight into the problems of classifying and cataloging books; it will include some practice work in the Library. $2\frac{1}{2}$ hours credit.

2, 3, 4. These three courses will constitute a year's work planned to prepare the student for the position of public school librarian. The first quarter will cover organization and administration of a school library, book selecting and buying, materials used in book printing and binding, bibliography, library history and legislation, classification and accessioning. The second quarter will be devoted to shelf listing and cataloging. The third quarter will be mainly practice work in the College Library. $7\frac{1}{2}$ hours credit.

MANUAL ARTS

High School Courses

Ia, b and c. Elementary Woodworking and Woodturning. $\frac{1}{2}$ unit.

IIc. Forge Work. $\frac{1}{3}$ unit.

IIIa, b and c. Furniture Making. 1 unit.

College Courses

1a and b. Elementary Woodworking. Two quarters of work covering the principal tools, tool-operations, and joints used in woodworking. A basic course for all advanced woodworking. $2\frac{1}{2}$ hours.

1c. Woodturning. Turning of various shapes and designs in wood on the speed lathe. $1\frac{1}{4}$ hours.

3a and b. Farm Shop Work. Designed to meet the needs of Vocational Agriculture men. Prerequisite: 1a and b. 5 hours.

3c. Forge Work. Practice in forming, bending, and welding of iron and steel. $2\frac{1}{2}$ hours.

5a, b and c. Furniture Making. Three quarters of work in furniture and cabinet construction. Prerequisite: 1a and b. $7\frac{1}{2}$ hours.

15. Descriptive Geometry. Mechanical Drawing relating to the point, line, and plane; solids, intersection of surfaces, etc. Prerequisite: 1 year of geometry. $2\frac{1}{2}$ hours.

21. Orthographic and Perspective Sketching. A beginning course in mechanical drawing and perspective intended to meet the needs of those interested in house problems, interior decoration, sketching, and manual arts. $2\frac{1}{2}$ hours.

111. Gas Engine. A study of the principles of operation of the internal combustion engine, and practical shop experience in repair work. $2\frac{1}{2}$ hours.

114. The Teaching of Manual Arts. Study of the administration, supervision, and teaching of Manual Arts work, and of the modern tendencies and efforts towards industrial education. A required course for all those majoring in Manual Arts. $2\frac{1}{2}$ hours.

125a (Education) Practice Teaching in Manual Arts. Supervised practical teaching experience. $2\frac{1}{2}$ hours.

MATHEMATICS

WM. H. ZEIGEL, BYRON COSBY, G. H. JAMISON, CHAS. A. EPPERSON

High School Courses

Ia, b and c. Elementary Algebra. 1 unit.

II. Advanced Arithmetic. $\frac{1}{3}$ unit.

IIIa, b and c. Plane Geometry. 1 unit.

IVa and b. Advanced Algebra. $\frac{2}{3}$ unit.

High school courses should be studied, when possible, in the order in which they are numbered.

College Courses

1. Solid Geometry. This course includes the fundamental theorems of the geometry of space, mensuration of solids, and an introduction to modern geometry. $2\frac{1}{2}$ hours.

3a and b. Plane and Spherical Trigonometry. A study of trigonometric functions and the solution of plane and spherical triangles. Use is made of the transit. 5 hours.

5a. Surveying. This course includes land surveying, laying out of roads, cross section work, leveling, contour work, drainage areas and railroad curves. Prerequisite: 3a. $2\frac{1}{2}$ hours.

7a and b. College Algebra. This course includes irrational numbers, graphic representation, progressions, theory of equations, determinants, partial fractions, variation and infinit series. 5 hours.

The Teaching of Arithmetic. $2\frac{1}{2}$ hours. See Education 23.

101a and b. Analytic Geometry. A study of the straight line, circle, conics, tangents to any conic, diameters, poles and polars, the general equation of the second degree, and the elements of analytic geometry of space. 5 hours.

103a and b. Differential Calculus. This course sets forth the fundamental principles of the calculus and includes the type forms of differentiation with practical problems; also the usual work in integral calculus. Prerequisite: 101a and b. 5 hours.

105. Theory of Equations. This course will treat of the properties and roots of equations, the solutions of the cubic, quartic, binomial and reciprocal equations; also symmetrical functions of the roots, elimination and determinants. Prerequisite: 101a and b. $2\frac{1}{2}$ hours.

107. History of Mathematics. This course gives a historical survey of the science of mathematics. It enables the student to follow the genesis of this science, to grasp the essential facts of mathematics, and to utilize them in the teaching profession. Prerequisite: 101a and b. $2\frac{1}{2}$ hours.

The Teaching of Mathematics in High Schools. $2\frac{1}{2}$ hours. See Education 115.

MODERN LANGUAGES

The beginning courses of both French and German are taught on a phonetic basis. Stress is laid on accuracy of pronunciation and the training of the ear and vocal organs by actual use of the foreign language in the classroom from the first. The grammar, though gotten largely inductively, is learned with thoroughness. The constructive side of the language is emphasized in all the French and German courses.

The Teaching of Modern Languages. Offered when desired by qualified students. $2\frac{1}{2}$ hours. See Education 121.

French Language

1a, b and c. Beginning French. 1a. Fall and summer terms. 1b and c. Winter and spring terms respectively. $7\frac{1}{2}$ hours.

3. French Conversation and Composition Course. This course consists entirely in practice of French conversation and free composition. Students with two units of high school French should enter this course. Given in summer and fall quarters. $2\frac{1}{2}$ hours.

5a and b. French Reading Course. In this course representative French novelettes, short stories and comedies are read as a basis for conversation and free composition. A minimum of translation. 5 hours.

101. Advanced French Composition Course. Offered when desired by qualified students. $2\frac{1}{2}$ hours.

105a and b. Advanced French Reading Course. Offered when desired by qualified students. 5 hours.

German Language

1a, b and c. Beginning German. 1a. Fall and summer terms. 1b and c. Winter and spring respectively. $7\frac{1}{2}$ hours.

3. German Conversation and Composition Course. This course consists entirely in practice of German conversation and free composition. Von Jagemann's German Syntax is used for reference. Students with two units of high school German should enter this course. $2\frac{1}{2}$ hours.

5a and b. German Reading Course. In this course representative German novelettes and short stories (Novelle) are read as a basis for conversation and free composition. A minimum of translation. 5 hours.

101. Advanced German Composition. For advanced students and teachers who desire more thoroly to master German syntax, style, idiom and choice of words. Offerd when desired by qualified students. $2\frac{1}{2}$ hours.

105a and b. Advanced German Reading Course. Poetry and modern novels are read. Interpretation largely in German orally and in writing. 5 hours.

109a, b and c. Schiller's Dramas. As much as possible in German. Offerd when desired by qualified students. $7\frac{1}{2}$ hours.

The following courses will also be offerd in residence or by correspondence if asked for by qualified students: 113a, b and c. Goethe's Dramas, $7\frac{1}{2}$ hours; 115 Goethe's Faust, 5 hours; 117a, b and c. Advanced German Drama, $7\frac{1}{2}$ hours; and 125a, b and c. Die Novelle, $7\frac{1}{2}$ hours.

MUSIC

RAYMOND N. CARR, SIGNE S. ADOLFSON, J. L. BIGGERSTAFF, JOHANNES GOETZE

1a, b and c; also 1a, b and c. Sight Singing Classes. The rudiments of music; sight singing by the moveable do and by the interval method. $3\frac{3}{4}$ hours or $\frac{1}{2}$ unit. MR. CARR, MISS ADOLFSON.

Physics of Music. See Physics 1.

3a, b and c. Harmony.

3a. Intervals, major and minor scales, triads and their connections, cadences, harmonization of melodies with simple triads. $2\frac{1}{2}$ hours. MR. GOETZE, MR. BIGGERSTAFF.

3b. Triads, seventh chords and their connections, ornamental tones, harmonization of melodies, harmonic analysis. $2\frac{1}{2}$ hours. MR. GOETZE, MR. BIGGERSTAFF.

3c. All other chords; practical application in harmonization of melodies, modulation, organ point, harmonic analysis. $2\frac{1}{2}$ hours. MR. GOETZE, MR. BIGGERSTAFF, MISS ADOLFSON.

5. History of Music. Study of the development of the art of music from the earliest times to the present; each period illustrated, where possible, by music examples. $2\frac{1}{2}$ hours. MR. BIGGERSTAFF.

7. Biography of Musicians. Lives of the great composers from the time of Guido of Arezzo to the present, with special emphasis on the contribution of each composer to the development of the art. Illustrativ programs from each composer. $2\frac{1}{2}$ hours. MR. BIGGERSTAFF.

9. Chorus. The masterpieces of choral music; oratorio; opera in choral form and in costume; glee clubs. Open to all students who can read vocal music fairly well. $1\frac{1}{4}$ hours or 1-6 unit. MR. CARR.

11. Orchestra. Standard overtures; the lighter symphonies; concert and chamber music. Open to all students who play an orchestral instrument fairly well. $1\frac{1}{4}$ hours or 1-6 unit. MR. GOETZE.

12. Band. Instruction in the rudiments of music and in the fundamental principles of brass and reed tone production and technic; study of standard band literature; performance in concert and on parade. $1\frac{1}{2}$ hours or 1-6 unit.

15. Elementary Voice.

15a. The principles of tone production; breath control; diction. Open to all students who have had Course 1 or the equivalent. Summer and fall terms only. $1\frac{1}{2}$ hours or 1-6 unit. MR. CARR.

15b. Continuation of 15a. Winter term. $1\frac{1}{2}$ hours or 1-6 unit. MR. CARR.

15c. Continuation of 15b. Application to elementary song literature. Spring term. $1\frac{1}{2}$ hours or 1-6 unit. MR. CARR.

17. Elementary Piano. The fundamentals of touch and technic. Scales, solid and broken chords, arpeggios, etc. Studies and pieces suited to the individual needs of the pupil. Individual lessons. $1\frac{1}{2}$ hours. MR. BIGGERSTAFF.

18a, b and c. Piano Class. Elementary piano technic; ear training; transposition and interpretation, taught by the class method; discussions and demonstrations. Open to all students. $3\frac{3}{4}$ hours or $\frac{1}{2}$ unit. MISS ADOLPHSON.

19a, b and c. Elementary Violin. Introductory violin technic and interpretation. Class or private lessons. $3\frac{3}{4}$ hours or $\frac{1}{2}$ unit.

101. Advanced Voice. Individual and class lessons in voice production and interpretation; concert and recital repertoire; oratorio; opera; recreation songs; teaching pieces; ensemble. Open to all students who have had Course 15 or the equivalent. $1\frac{1}{2}$ hours. MR. CARR.

103. Advanced Piano. Advanced technic. Study and analysis of classic and modern works. $1\frac{1}{2}$ hours. MR. BIGGERSTAFF.

105. Advanced Violin. Advanced technic; studies and pieces suited to the individual needs of the student. $1\frac{1}{2}$ hours. MR. GOETZE. (A special charge is made for this course.)

106. Pipe Organ. Students registering for pipe organ may arrange to take lessons from any approved private teacher in Kirksville, who will submit to the head of the department of music at the close of the term a detailed report of the student's progress during the term. Open to pianists of sufficient advancement. $1\frac{1}{2}$ hours.

107a and b. Counterpoint.

107a. The single melodic line, two part counterpoint, two part invention, analysis. $2\frac{1}{2}$ hours. MR. BIGGERSTAFF.

107b. Three part counterpoint, three part invention, four part counterpoint, fugue, analysis. $2\frac{1}{2}$ hours. MR. BIGGERSTAFF.

108. Modern Harmony and Composition. A study of the harmonic material used in modern composition and of the style and methods of the more important present day composers. Analysis of representative works. $2\frac{1}{2}$ hours. MR. BIGGERSTAFF.

109a and b. Form.

109a. Instrumental Form. Study of canon, fugue, sonata, ancient and modern dance forms and symphonic forms. $2\frac{1}{2}$ hours. MR. BIGGERSTAFF.

109b. Vocal Form. All "song forms;" cantata; opera and oratorio. 2½ hours. MR. CARR.

111a and b. Instrumentation.

111a. Special study of how to write for the different instruments of the orchestra, singly and in combination. 2½ hours. MR. GOETZE.

111b. Continuation of 111a. 2½ hours. MR. GOETZE.

113a, b and c. The Teaching of Music.

113a. The Teaching of Elementary School Music. Rote songs; note reading; the divided beat; two and three part singing; the child voice; courses of study. Summer and fall terms. 2½ hours. MR. CARR.

113b. The Teaching of Music in the High School. The changing voice; choral and glee repertoire; use of the baton; theory; appreciation; credits for outside music study; model course of study. Summer and winter terms. 2½ hours. MR. CARR.

113c. The Teaching of Instrumental Music in the Schools. The modern class method for piano, violin, etc.; organization and training of school orchestras and bands; practical illustrative work in class. Spring and summer terms. 2½ hours. MR. CARR.

114. Music Appreciation. A course to prepare teachers in elementary and high schools to develop the ability to listen intelligently to music, thru the use of the phonograph. 2½ hours. MISS ADOLFSON.

115. Piano Tuning. A practical course in tuning and repairing for prospective supervisors of music who need to understand the care of the instrument. 1½ hours. MR. BIGGERSTAFF.

117. The Teaching of Elementary Theory. A course designed to acquaint the teacher with practical methods of presenting notation, rhythm, intervals, triads and the elements of form and melody. 2½ hours. (See Education 139.) MR. BIGGERSTAFF.

PHYSICAL EDUCATION FOR MEN

H. L. McWILLIAMS

High School Courses

Ia, b and c. Gymnastics. 1-6 unit for each course.

II. Athletics. 1-6 unit.

College Courses

1a, b and c. Gymnastics. Instruction in gymnastics, marching and tactics; calisthenic drills, including exercises with the dumb bells, wands and Indian clubs; practice on the various pieces of gymnastic apparatus; tumbling, gymnastic dancing and games. 1½ hours.

3. Athletics. Football, basketball, baseball and track and field athletics. 1½ hours.

5. School Games. A course designed to teach the students a large number of games suitable for play in the school room, on the playground and in the gymnasium. 1½ hours.

7. Playground Activities. A study of the organization and admin-

istration of the playground systems of the various cities and schools of the country. $1\frac{1}{4}$ hours.

101. Principles of Coaching, Conditioning and Training of Men. Care of injured players, rudimentary instruction in the coaching of football, basketball, and track and field athletics. $1\frac{1}{4}$ hours.

107. Playground Activities. Organization and conduct of playground activities including plans for construction and equipment of the playground. $1\frac{1}{4}$ hours.

PHYSICAL EDUCATION FOR WOMEN

MIRIAM ANDERSON

Ia and 1a. Gymnastics. A beginning class in gymnastics, hand apparatus, gymnastic marching, simple folk dances and games. The student is given a working knowledge of simple gymnastic positions and terminology. Open to those who have had no previous work in physical education. 1-6 unit or $1\frac{1}{4}$ hours.

Ib or 1b. Gymnastics. Continuation of Ia and 1a, but of more advanced type. Graded exercises on heavy apparatus begun. Aesthetic rhythmic action is introduced. 1-6 unit or $1\frac{1}{4}$ hours.

Ic or 1c. Gymnastics. Continuation of Ib or 1b. Practice teaching of Physical Education in the Practice School. Prerequisite: 3 quarters of gymnastic work. $2\frac{1}{2}$ hours.

3a, b and c. Athletics. Organized basketball, hockey, baseball, volley ball, and tennis will be played in season. Each 1-6 unit or $1\frac{1}{4}$ hours.

3a. Volley Ball. Given in fall quarter.

3b. Basketball. Given in winter quarter.

3c. Track. Given in spring quarter.

5a. Tennis. Given in spring or summer quarter.

5b. Hockey. Given in fall quarter.

5c. Baseball. Given in spring quarter.

7a. Folk Dancing. Representative folk dances from the various nations will be studied. $1\frac{1}{4}$ hours.

107a, b and c. A course in rhythmic group action and solo dancing. Particular attention is given to the technique of rhythmic movements in groups for purposes of health and grace in bodily action. Prerequisite: three quarters gymnastics. $3\frac{3}{4}$ hours.

The Teaching of Plays and Games. A course in theory and practice designed to meet the needs of teachers in these subjects. See Education 39.

POLITICAL AND SOCIAL SCIENCES

EUGENE FAIR, J. F. PYLE, FELIX ROTHSCHILD

High School Courses

Ila, b and c. Citizenship. a. The first quarter of this work deals with local and state government. The relationship existing and that should

exist between the individual and such organizations of society as the home, the church, the school, the government, etc., is discussed. $\frac{1}{3}$ unit.

b. The second quarter's work deals with the relationship existing or that should exist between the individual and the national government. $\frac{1}{3}$ unit.

c. The third quarter's work attempts to describe the world of business in such a way as to give the student a useful knowledge of the forces that control this world and of his relation to it. Illustrations are taken from incidents of everyday life. $\frac{1}{3}$ unit. MR. PYLE.

College Courses

1a and b. American Government and Politics. A study in the present of what the American Constitutional History deals with in the past. Organization and workings of the national, local and state governments. 1a concerns national government; 1b concerns local and state governments. It is recommended that those who take 1b also take Missouri History. (See History 9.) 5 hours. MR. FAIR and MR. PYLE.

3. Contemporary International Politics. Concerned with the international relations of the present. This is a continuation of the History of the great War (See History 13). $2\frac{1}{2}$ hours. MR. FAIR.

3b. Contemporary International Politics. This course was given in Extension at Edina during the regular school year, 1919-1920. Not now offered.

9a, b and c. Sociology. The course in Sociology is outlined to illustrate the working of the chief factors in social organization and evolution. Part one of the course is designed to give a rather detailed study of the origin, development, and structure of society with reference to the family as a typical human institution. Part two follows with a concrete study of the problems of society. The course is designed to meet the requirements of the Smith-Hughes Law. $7\frac{1}{2}$ hours. MR. ROTHSCHILD.

Economics. 103a. The first quarter's work deals with the economic principles upon which national prosperity and greatness depend. Such topics as the underlying conditions of national prosperity, the productive forces, the productive industries and exchange are discussed and interpreted from the theoretical viewpoint, illustrations being taken from historical and current life. $2\frac{1}{2}$ hours. MR. PYLE.

Note: While this course is listed as a senior college course, students having 30 hours of college credit may take it under certain conditions. 103a is an introductory course and is a prerequisite for the following courses in Economics.

Economics. 103b. This course is a discussion of the Distribution and the Consumption of Wealth, e. g., Rent, Wages, Interest, Profits, Banking and Credit; Public Finance; Reform movements. Courses 103a and b are recommended for those wishing a general course in Economics and for commercial students and teachers of Vocational High School Home Economics. (103a a prerequisite). $2\frac{1}{2}$ hours. MR. PYLE.

105a and b. European Government and Politics. Study of the

organization and workings of the chief governments of Europe. It is recommended that those who take this course also take 19th Century History. (See History 107a, b and c.) 5 hours. MR. FAIR.

107. Party Government. Deals with the action, organization, theory and purpose of political parties. Applied especially to the United States. 2½ hours. MR. FAIR.

The Teaching of History and Government. See Education 25 and 117.

Economics. 109a. This quarter's work deals with the practical and theoretical questions of the Marketing of Farm Products. Such topics as Methods of Sale, the Function of Middlemen, Cold storage, Transportation, Prices, Future trading, Retailing, etc., are discussed. Recommended for Vocational Agriculture students especially. 2½ hours. MR. PYLE.

Economics. 109b. This quarter's work deals with cooperation in Agriculture. Such topics as Fundamentals in Cooperation, the Organization of Farmers' Cooperative Associations, Cooperation in Selling and in Buying, Insurance, Rural Credit, etc., are discussed. Courses 109a and b are designed to meet the requirements of teachers of Vocational High School Agriculture and any others interested in the work. 2½ hours. MR. PYLE.

111a, b and c. American Constitutional History. A course on the history of American Government and Politics with a strong background of social and economic history. 7½ hours. MR. FAIR.

SCIENCES AND ALLIED SUBJECTS

AGRICULTURE

L. A. DALTON, L. C. CLEVENGER, -----

Senior High School Courses

Ia. Biology. A technical course in high school botany. Text, "Plant Life and Plant Uses" by Coulter. ½ unit. MR. CLEVENGER.

Ib. Biology. An applied course in high school zoology. Text, "Text-book in General Zoology," by Linville and Kelley. ½ unit. MR. CLEVENGER.

Ic. Biology. High school course covering the essential principles of plant and animal improvement. Text "Domesticated Animals and Plants" by Davenport. ½ unit. MR. CLEVENGER.

Ila. Agriculture. An elementary course in the study of farm livestock, including horses, cattle, hogs, sheep, and poultry. Text, "Live Stock on the Farm" by Dietrich. ½ unit.

Iib. Agriculture. An elementary course in the study of soils and farm crops. Text, "Soils and Plant Life" by Cunningham and Lancelot. ½ unit. MR. DALTON. -----

Iic. Agriculture. An elementary course in farm management. Text, "Farm Management" by Boss. ½ unit. -----

College Courses

Ia. General Botany. This course consists of a close study of the Thallophytes and Bryophytes. In connection with a study of the structure,

development and relationships of the various forms the principal problems considered are: (1) the evolution of the plant body, (2) origin and evolution of sex, and parasitism, saprophytism, and symbiosis. Text, "Principles of Botany" by Bergen and Davis. 2½ hours. MR. CLEVENGER.

1b. General Botany. A course similar to the preceding course. The structure, life histories and relationships of the Pteridophytes and Spermatophytes are studied. The principal problems studied are (1) the evolution of the sporophyte, (2) the reduction of gametophyte, (3) heterospory, (4) alternation of generations, (5) and an introduction to modern phases of vascular anatomy. General Botany Course 1a is a prerequisite. Text, "Principles of Botany" by Bergen and Davis. 2½ hours. MR. CLEVENGER.

3a. General Zoology. A study of the lower forms of animal life, giving a more or less complete account of the anatomy, physiology and ecology of the most important types. Text "College Zoology" by Hegner. 2½ hours. MR. CLEVENGER.

3b. General Zoology. A study of the anatomy, physiology and ecology of the higher invertebrates and the vertebrates. General Zoology course 3a is a prerequisite. Text, "College Zoology," by Hegner. 2½ hours. MR. CLEVENGER.

7. Elementary Science. Plant and Animal Life. Nearly all educators now believe in the teaching of elementary science in the grades, and in practically all the recent surveys the reports emphatically recommend the introduction of more extensive and better organized work in science. In order to be an effective teacher, one must have first hand knowledge of outdoor life. This course aims to give detailed directions as to materials and methods to be used. Detailed instructions are given for the study of common trees, flowering plants, seeds, spore bearers, insects, animals of pond and stream, and birds. This course is especially for primary and grade teachers. 2½ hours. MR. CLEVENGER.

9. Entomology. Fundamental principles of insect life with special reference to its economic importance. A careful study of a few insect pests and remedies for control of same. General Zoology Course 3b is a prerequisite. 2½ hours. MR. DALTON.

11a. Farm Crops. A study of the cereal crops, their cultural requirements, insect enemies, and diseases, commercial grading and judging. General Botany Course 1b is a prerequisite. Text, "The Small Grains" by Carleton. 2½ hours. MR. DALTON.

11b. Farm Crops. A study of the forage crops, their cultural requirements, insect enemies, and diseases. General Botany Course 1b is a prerequisite. Text, "Forage and Fiber Crops" by Hunt. 2½ hours. MR. DALTON.

11c. Farm Crops. A study of corn, cultural requirements, insect enemies, and diseases. Special emphasis placed on scoring, judging, and seed testing. General Botany Course 1b is a prerequisite. Text, "The Corn Crops" by Montgomery. 2½ hours. MR. DALTON.

17a. Breeds of Live Stock. History and development, care and management, of the types and breeds of horses, hogs, and sheep. Special work in stock judging. 2½ hours. MR. -----.

17b. Breeds of Live Stock. History and development, care and management of the types and breeds of beef and dairy cattle. Emphasis is placed on cattle judging. 2½ hours. MR. -----.

18a. Poultry Production. Origin and development of the types and breeds of poultry. Care and management of poultry, poultry house construction and caponizing. 2½ hours. MR. CLEVENGER.

18b. Incubation and Brooding. This course is given in the spring term only. Class exercise takes up the principles and practical applications of the laws of incubation and brooding, also the construction and principles involved in the different makes of incubators and brooders. Laboratory work is devoted to the running of incubators and brooders. 2½ hours. MR. CLEVENGER.

19a. General Horticulture. Cultural requirements, propagation, insect enemies, and diseases of large and small fruits. Text, "Popular Fruit Growing" by Green. 2½ hours. MR. DALTON.

19b. School Gardening. Cultural requirements, propagation, insect enemies and diseases of garden crops, and plans for garden and school yard improvement. 2½ hours. MR. DALTON.

101. Animal Nutrition. Animals' digestive systems; digestion, absorption, assimilation; feed-stuffs, balanced rations, and feeding practices. Prerequisite: Chemistry 1a and 1b. 2½ hours.

103. Farm Management. Types of farming, rotations, accounting, rental systems; choosing and planning a farm, cost of production, farm labor, and successful marketing. 2½ hours.

107a. Elements of Dairying. Composition, care, and handling of milk and its products. Laboratory of milk testing, separation of cream by gravity and by the centrifugal separator, handling milk and butter on the farm. 2½ hours. MR. -----.

107b. Dairy Products. Commercial methods of determining fat, salt and moisture, acidity, and total solids, and solids—not fat—in milk and its products. Laboratory work consists of butter making, cheese making and ice cream making. 2½ hours. MR. -----.

115a. Soil Management. Origin, formation, and management of soils. Text, "Soils, their Properties and Management" by Lyon, Fippin and Buckman. Prerequisite: Chemistry 1a and b. 2½ hours. MR. DALTON.

115b. Soil Fertility. Soil classes, fertility demands, and soil analysis. Prerequisite: Agriculture 115a. Text, "Soil Fertility and Permanent Agriculture" by Hopkins. 2½ hours. MR. DALTON.

119a. Spraying and Pruning. This course given only during the spring quarter. The class exercise takes up the theory and development of spraying and pruning. The mixing, testing application of various spray mixtures, and practice in pruning of large and small fruits, is the laboratory work of this course. Prerequisite: Chemistry 1a. 2½ hours. MR. DALTON.

121a. The Teaching of Agriculture. This course deals with the teaching of animal husbandry and farm crops. The improvement of live stock and farm crops and the influence of same on the community. 2½ hours. MR. DALTON.

121b. The Teaching of Agriculture. This is a continuation of 121a, but special emphasis is placed on the methods of teaching soils and horticulture. 2½ hours. MR. DALTON.

123. Plant Physiology. This course aims to give to the student a general knowledge of the life processes of higher plants. The work will consist of a number of experiments illustrating the different topics, together with assigned readings and recitations. Text, "Plant Physiology" by Ganong. 2½ hours. MR. CLEVENGER.

For Farm Shop see Department of Manual Arts.

For Rural Economics and Marketing of Farm Products see Department of Political and Social Science.

COURSES IN AGRICULTURE

To prepare teachers of Vocational High School Agriculture

FRESHMEN

1st quarter	sem. hrs.	2nd quarter	sem. hrs.	3rd quarter	sem. hrs.
English	2½	English	2½	General Physics	2½
Horticulture	2½	Animal Husbandry	2½	Animal Husbandry	2½
General Botany	2½	General Botany	2½	General Zoology	2½
Inorganic Chem.	2½	Inorganic Chem.	2½	Bacteriology	2½
Military	1	Military	1	Military	1
	11		11		11

SOPHOMORES

1st quarter	sem. hrs.	2nd quarter	sem. hrs.	3rd quarter	sem. hrs.
General Physics	2½	Analytic Chem.	2½	Farm Crops	2½
General Zoology	2½	Entomology	2½	Poultry Husbandry	2½
Analytic Chem.	2½	Farm Crops	2½	Physical Geology	2½
Psychology	2½	Elective in Agri.	2½	Rural Sociology	2½
Physical Educ.	1				
	11		10		10

JUNIORS

1st quarter	sem. hrs.	2nd quarter	sem. hrs.	3rd quarter	sem. hrs.
Organization and administration of Vocational Education ...	2½	Methods of Tchg. Vocational H. Sch. Agriculture	2½	Methods of Tchg. Vocational H. Sch. Agriculture	2½
Dairy Husbandry	2½	Soils	2½	Rural Economics	2½
Agricultural Chem.	2½	Dairy Husbandry	2½	Elective in Agri.	2½
Soils	2½	Farm Crops	2½	Rural Organization and Marketing	2½
	10		10		10

Note: The Teaching of Vocational High School Agriculture is in 4 parts of one half term each: the teaching of (1) Animal Husbandry, (2) Farm Crops, (3) Soils, (4) Horticulture.

SENIORS

1st quarter	sem. hrs.	2nd quarter	sem. hrs.	3rd quarter	sem. hrs.
Educational Psychology.....	2½	Supervised Prac. Tchg. in Vocational		Supervised Prac. Tchg. in Vocational	
Rural Economics.....	2½	H. S. Agri.....	2½	H. S. Agri.....	2½
Farm Shop.....	2½	Elective in Agri.....	2½	Elective in Agri.....	2½
Theory of Teaching....	2½	Elective.....	2½	Elective.....	2½
		Elective.....	2½	Elective.....	2½
	10		10		10

A total of 48 hours in agricultural subjects must be taken and 124 hours in all.

CHEMISTRY

W. J. BRAY and -----

1a and b. General Inorganic Chemistry.

1a. Introduction, fundamental laws, hydrogen, oxygen, and water. 2½ hours. MR. BRAY and assistants.

1b. Nitrogen, sulphur, carbon, and the halogens. 2½ hours. MR. BRAY and assistants.

3. The Chemistry of the Metals. 2½ hours. MR. BRAY and assistants.

5. Household Chemistry. Pland to meet needs of those taking home economics. Chemistry 1a and b are presupposed. Special study of chemistry of cooking, textiles, cleaning, and other household processes. 2½ hours. MR. BRAY and assistants.

7a and b. Introduction to Analytical Chemistry. A course in the fundamentals of qualitativ and quantitativ methods for students of agriculture and home economics only. 5 hours general chemistry are presupposed. 5 hours. MR. BRAY.

101a, b and c. Analytical Chemistry. Courses 1 and 3 are presupposed.

101a. Methods of qualitativ analysis. 2½ hours.

101b. Qualitativ analysis of salts, ores, alloys, metals, etc. 2½ hours.

101c. Methods of Quantitativ Analysis. 2½ hours. MR. BRAY.

103a. Industrial Chemistry. A study of the chemistry of industrial and commercial operations and processes. Recitations and laboratory work. Chemistry, 1, 3 and 107a are presupposed. 2½ hours. MR. BRAY.

103b. Industrial Chemistry. Qualitativ and quantitativ analysis applied to industrial chemical problems. Recitations and laboratory work. Chemistry 101a, b and c and 103a are presupposed. 2½ hours. MR. BRAY.

105. The Chemistry of Water Supplies. A systematic study of water supplies from sanitary and engineering standpoints, including a study of the installation and maintenance of municipal and private water works. Chemistry 1, 3 and 101a, b and c are presupposed. 2½ hours. MR. BRAY.

107a and b. Organic Chemistry. Chemistry 1a and 1b are presupposed.

107a. The chemistry of the paraffin and unsaturated hydrocarbons and their derivatives. 2½ hours. MR. BRAY.

107b. The chemistry of the aromatic hydrocarbons and their derivatives, including dyes and intermediates, toxic gases, and high explosives. 2½ hours. MR. BRAY.

109. Agricultural Chemistry. A study of the chemistry of plant growth and nutrition, soil fertility and of animal physiology and nutrition. Chemistry 1a, 1b, 3, and 107a are presupposed. 2½ hours. MR. BRAY.

111. The Chemistry of Foods. A study of the chemistry of the preparation, digestion and assimilation of food. Chemistry 107a is presupposed. 2½ hours. MR. BRAY.

113a, b and c. Quantitativ Analysis. A more advanced course than 101c.

113a. Gravimetric analysis of minerals, ores, salts and other inorganic materials. Chemistry 1a, 1b, 3, 101a and 101b are presupposed. 2½ hours.

113b. The volumetric analysis of inorganic substances. Chemistry 113a is presupposed. 2½ hours.

113c. Quantitativ Organic Analysis. Chemistry 107a and 113b are presupposed. 2½ hours.

CHILD HYGIENE AND PUBLIC HEALTH

DR. A. G. REED, Chairman and School Physician; CECIL MACLAUGHLIN, Nurse; DR. S. G. BANDEEN, Bacteriology and Physiology.

The department attempts to be of service to students from many standpoints. The physicians' office is well equipt for diagnosis and treatment of ordinary conditions. An X-ray machine has been arranged for diagnostic purposes. Dressings, antiseptics and other supplies are provided free of cost to students. Serum and vaccine prophylaxis are administered when necessary. Students who are ill are visited in their rooms by the nurse, who advises with them. Analyses of practically every nature are made in the well equipt laboratory.

High School Course

III. Physiology a and b. A general course in nutritional and functional physiology for senior high school students. Special attention is paid to proper hygienic measures based upon normal physiological conditions of the human body: 2-3 unit.

College Courses

3. Community Hygiene. A systematic study of the factors in the environment that bear a close relation to the individual's health, including that of the teacher and the pupil, and the home conditions in general. Problems of proper heating, housing and ventilation, water supply, food, and sewage disposal are considered. 2½ hours.

5a. General Bacteriology. The fundamental facts and principles are studied of microbiology, physiology and morphology; methods of studying, staining, etc.; immunity and infection; and the use of sterilizers, incubator and autoclave. 2½ hours.

5b. Household Bacteriology. Yeasts, molds and bacteria are studied in relation to such household problems as preservation and decomposition of foods. This course is especially recommended for students majoring in home economics. Prerequisite: 5a. 2½ hours.

5c. Industrial Bacteriology. This course deals with the relation of bacteria to the arts and industries. Studies are made, such as the part played by bacteria in soil fertility and the fixing of atmospheric nitrogen as plant food, in butter and cheese manufacture and brewing. Prerequisite: 5a. 2½ hours.

7a, b and c. Physiology. Prerequisite: chemistry 1a and 1b or equivalents.

7a. A detailed and more or less technical study of the human mechanism from the standpoint of cells and fundamental tissues, and their modifications into definite body parts. Consideration is given to the vascular system, including heart, blood vessels and blood, respiratory, secretory and digestive systems. 2½ hours.

7b. A continuation of 7a including a study of the processes of absorption, nutrition and metabolism, and muscle-nerve physiology. 2½ hours.

7c. In this quarter's work special emphasis is laid upon a study of the nervous system, special senses and the physiology of reproduction. The course is especially designed to meet the needs of those who wish to teach physiology in high school and to serve as a basis for scientific study of hygiene. 2½ hours.

11. Home Nursing. Home care of sick and injured, including practice and first aid. Laboratory work consists of demonstrations and practice with materials at hand. 2½ hours.

15. Child Hygiene. In this course the causative factors involved in health control of the school child are dealt with. The common mental and physical defects are investigated and their relation to the child's general progress and the home hygiene are noted. 2½ hours.

17. Rural Hygiene. A study into the hygienic phase of rural life, including the school and home. 2½ hours.

101. Applied Anatomy and Kinesiology. A study of the body in action with special reference to ordinary bodily activities, including games and plays. Physical directors will perhaps find the greatest value in this course. 2½ hours.

103. Hygiene for Teachers. A study into the factors in the teaching profession that affect the individual teacher. A comparative study of health conditions in this and other professions and occupations is made with the view of leading to more hygienic teaching methods. 2½ hours.

105. Intergroup Hygiene. A study of the sanitary problems arising as the result of collections or groups of individuals within a state and nation; also international, regarding food laws and regulations, milk supply, duties of health officers, and health problems in general. 2½ hours.

107. Pathogenic Bacteriology, comprises a study of disease producing bacteria and protozoa, methods of disinfection after sickness, how diseases are transmitted, and how to diagnose diseases such as diphtheria by the use of the microscope. 2½ hours.

109. Preventive Medicine. In this course students learn methods of diagnosing malconditions of school children by making careful physical examinations. A study is made of immunity, quarantine methods and disease prevention in general. Prerequisite: 15 or its equivalent. $2\frac{1}{2}$ hours.

111. Common Diseases, includes a study of the diseases common to childhood and adult life, symptomatology course of the disease and methods of prevention. Prerequisite: 15. $2\frac{1}{2}$ hours.

113. Personal Hygiene. The preservation and promotion of individual health by increasing the vital forces and resistance of human body. $2\frac{1}{2}$ hours.

115. Nutrition. Food composition by which means the necessary substances are supplied, and effect upon the human system. $2\frac{1}{2}$ hours. Prerequisite: Chemistry 1a and b.

HOME ECONOMICS

ESTHER DUERINGER, GEORGIA GRAY, AND ONE OTHER

College Courses

1a. Clothing. This is a course in garment construction designed to give the fundamentals of all ordinary sewing in wash material. The garments made are a skirt, blouse and dress. $2\frac{1}{2}$ hours.

1b. Clothing. Following 1a. The aim is to give freedom in the handling of wool and silk by making a wool skirt and a silk dress. The economics of dress is also emphasized. $2\frac{1}{2}$ hours.

100c. Study of Costume. Prerequisite: Clothing 1a and 1b and Costume Design 9b. Individual problems are developed in the application of the principles of costume design. Modeling and draping are featured. $2\frac{1}{2}$ hours.

2. Textiles. Prerequisite: Chemistry 1a. $2\frac{1}{2}$ hours.

9a. Design. See Fine Arts. $2\frac{1}{2}$ hours.

9b. Costume History and Design. See Fine Arts. $2\frac{1}{2}$ hours.

102. Millinery. This is designed as a technical course in millinery for the teacher or woman in her home. Trade methods are followed but modified to suit these purposes. This is offered as a comprehensive $2\frac{1}{2}$ hour course and will not be repeated during the year. Fall term. $2\frac{1}{2}$ hours.

3a. Food Preparation. A study of the source, selection, preparation and use of food. Prerequisite: 2 quarters of chemistry. $2\frac{1}{2}$ hours.

3b. Food Preparation. Advanced study of food. Planning, preparation and serving of meals. Prerequisite: 3a. $2\frac{1}{2}$ hours.

107c. Food Preparation. Experimental work. Nature and use of food, chemical composition and principles underlying the preparation of food, attended or preceded by chemistry of food. Prerequisite: 3a and 3b. $2\frac{1}{2}$ hours.

103. Dietetics. Theory work and practice in planning meals and rations under special circumstances. Prerequisite: 3a, 3b, 107c.

7. Household Problems. Study of the house, household appliances, care, cleaning and sanitation. $2\frac{1}{2}$ hours.

105. Household Management. Study of the scientific and economic management of the home. $2\frac{1}{2}$ hours.

Household Sanitation. $2\frac{1}{2}$ hours. See Hygiene and Public Health 3.

5. Home Nursing. $2\frac{1}{2}$ hours. See Hygiene and Public Health.

115. Nutrition. $2\frac{1}{2}$ hours. See Hygiene and Public Health.

109. House Furnishings. Open to students who have had Art 1a, b, c. $2\frac{1}{2}$ hours.

141. The Teaching of Home Economics. Prerequisite: 10 hours of Home Economics. $2\frac{1}{2}$ hours.

113a. Practice Teaching. $2\frac{1}{2}$ hours. See Education.

113b, c. Practice Teaching in Vocational High School Home Economics. 5 hours.

11. Cafeteria Cooking. Both theory and laboratory work. $2\frac{1}{2}$ hours.

115. Institutional Care and Management. Laboratory course. Actual work in the college cafeteria with a view to teaching the management of the vocational cafeteria. $2\frac{1}{2}$ hours.

COURSE OF STUDY FOR INTENDING TEACHERS OF VOCATIONAL HIGH SCHOOL HOME ECONOMICS

Requirements of Federal and State Boards of Education.

25 %.....30 hours Home Economics.

20 %.....24 hours Related Subjects.

$12\frac{1}{2}$ %.....15 hours Education.

HOME ECONOMICS COURSES

Food Preparation 3a	Clothing 1a
Food Preparation 3b	Clothing 1b
Home Nursing 5	Costume Design 9b
Household Problems 7	Study of Costume 100c
Cafeteria Cookery 11	Millinery 102
Household Management 105	Textiles 120
Food Preparation 107c	House Furnishing 109
Dietetics 103	Nutrition 115
Institutional Care and Management 115	

Related Subjects

Chemistry 1a (Inorganic)	Sanitation 3	Design 7a
Chemistry 1b	Physiology 7a	Design 7b
Household Chemistry 5	Physiology 7b	Design 7c
General Bacteriology 5a	Zoology 3a	Industrial Art 13b
Organic Chemistry 107a	Botany 1a	Industrial Art 13c
Chemistry of Foods 111	Preventive Medicine 109	Economics 103a
	Physics 107	Sociology 101a
	Child Hygiene	Art History and Appreciation 101a

EDUCATION

Introduction to Teaching 1a	Educational Psychology 103
Psychology 1b	Teaching of Home Economics 141
Principles of Teaching 3	Practice Teaching 113b (Foods)
Rural Sociology 5	Practice Teaching 113c (Clothing)

STUDIES BY YEARS

Freshman

FALL	WINTER	SPRING
Practical English 21a	Practical English 21b	English
Introduction to Teaching 1a	Physiology 1a	Design 7a
Chemistry 1a	Chemistry 1b	Food Preparation 3a
Clothing 1a	Clothing 1b	Elective

Sophomore

Sanitation 3	Psychology 1b	Bacteriology 5a
Food Preparation 3b	Household Problems 7	Principles of Tchg.
	Costume Design 9b	Home Nursing 5
2 Electives	Elective	Elective

Junior

Organic Chemistry 107	Chemistry of Foods 111	Dietetics 103
Millinery 102	Food Preparation 107	House Furnishing 109
Educational Psychology 103	Textiles 120	Study of Costume 100c
Elective	Elective	General Economics 103a

Senior

Teaching of Home Economics 141	Sociology 101a	Practice Teaching 113c
Household Management 105	Practice Teaching 113b	(Clothing)
2 Electives	(Foods)	
	2 Electives	3 Electives

PHYSICS AND PHYSIOGRAPHY

MR. STOKES, MR. DURBIN, MR.-----

High School Courses

Ia, b and c. General Science. An introduction to the study of science. The more obvious principles and facts of physics, chemistry, botany, zoology, physical geography, physiology and bacteriology constitute the subject matter. Designed primarily for students of the freshman year. Not open to students who have taken two or more courses in science. 1 unit. MR. DURBIN.

Ila, b and c. Physical Geography. This course is intended to exemplify the work in this subject as done in the best equipped high schools and to serve as a model for intending teachers.

Emphasis on fundamental principles, possibilities and facilities for laboratory and field work and sources of information on details of special subjects are dominating features of the course. 1 unit. MR. DURBIN.

College Courses

1. The Physics of Music. Production and transmission of tone characteristics. Simple, complex, partial, difference and summation tones. Structure of major and minor scales in true intonation. Temperament, harmonious and dissonant intervals, resonance and resonators. Laws of string and wind instruments. Special study of the organ. Given to students in the course in music in the spring quarter. 2½ hours. MR. STOKES.

3a and b. Special Physics. A five-hour course, embracing the theory and application of those portions of the subject which have a direct bearing

on farm life. Given as required to students in vocational agriculture. 5 hours. MR. STOKES.

5a, b and c. General Physics. An elementary course, intended primarily for the preparation of teachers of physics in the high school and for those desiring a non-mathematical course in physics. Some knowledge of plane geometry required. $7\frac{1}{2}$ hours. MR. DURBIN AND MR. -----.

1a, b and c. Physiography. A study of the physical features of the earth's surface and of the physical processes operative in producing them. Meteorology. This course prepares for teaching physical geography in the high school. $7\frac{1}{2}$ hours. MR. STOKES.

101a, b and c. Advanced General Physics. A critical inquiry into the principles, methods and logic of physical science. An intensive course for mature students. Should be preceded or accompanied by a course in plane trigonometry. $7\frac{1}{2}$ hours. MR. STOKES.

103a, b and c. Electricity. A general college course presented mainly from the experimental point of view. Must be preceded by 5a or its equivalent. $7\frac{1}{2}$ hours. MR. DURBIN.

105. The Teaching of High School Physics. Includes the following topics: the present high school course in physics, its development, requirements and methods of presentation; the principles involved in the lecture demonstration, the recitation and quiz, and in the laboratory experiments and note book. Presupposes a general course in physics. $2\frac{1}{2}$ hours. MR. STOKES.

109. Physical Geology. For students of vocational agriculture. A study of the fundamental processes of crust-formation and deformation. Rock forming minerals, rock composition, rock types and rock decay. Faulting, folding, unconformity, diastrophism, vulcanism and graduation. $2\frac{1}{2}$ hours. MR. STOKES.

PROCEEDINGS

of Conference of Presidents of State Educational Institutions and State Superintendent of Public Schools, Jefferson City, Mo., June 14 and 15, 1917

Those present were: President A. Ross Hill, University of Missouri; President John R. Kirk, Normal School, Kirksville; President E. L. Hendricks, Normal School, Warrensburg, President W. S. Dearmont, Normal School, Cape Girardeau; President W. T. Carrington, Normal School, Springfield; Dr. S. E. Davis, Normal School, Maryville, acting for President Ira Richardson; and Hon. Uel W. Lamkin, State Superintendent of Public Schools; also P. P. Callaway, State Department, and Dr. J. H. Coursault, University of Missouri, members of Visiting Committee for 1916-17; and 1917-18; Wm. H. Zeigel, Normal School, Kirksville, member of Visiting Committee for 1916-17; C. A. Phillips, Normal School, Warrensburg, member of Visiting Committee for 1917-18; and W. M. Oakerson, Secretary.

CONDITIONS UNDER WHICH COLLEGE WORK SHOULD BE DONE

I. In all regulations appertaining to college and secondary work we shall conform as nearly as possible to the regulations of the North Central Association of Colleges and Secondary Schools.

II. All entrance certificates shall be filed with the credentials committee on or before the opening of the semester or term, excepting that in special cases the credentials committee may for adequate reasons grant an extension of time for the filing of entrance certificates. (Students beginning secondary work shall file official evidence that they have completed the work of the elementary school, except persons holding teachers' certificates).

ADMISSION TO CLASSES OF COLLEGE RANK

A. Completion of a four-year course, with at least 15 units of credit in a first class high school, in a fully accredited private academy, or in the secondary department of a normal school or teachers college shall be required for entrance.

(1) All parties to the agreement should adopt a uniform requirement of fifteen secondary units for admission to college work.

B. Students over twenty-one years of age, who are able to demonstrate their fitness to do college work may be admitted to college classes as special students, but they can not be candidates for graduation until they have met the requirements for admission as regular students.

C. A student can not be admitted to classes of college rank who is conditioned in more than two entrance units. All entrance conditions must be removed within one year of the date of admission. (Nine months of attendance may be considered a year.)

D. A unit is defined as a subject pursued five periods a week for at least 36 weeks, a period being 40 minutes in the clear, four units constituting a standard year's work. Excess of recitation time may accrue to the benefit of the student when sufficient limitation is placed upon the number of recitations which students may carry per week.

E. The Credentials Committee should have final authority in all cases of evaluating credentials and classifying students as college, secondary or special students.

III. Definition of College Work.

A. College work shall be defined as work taken by students who have met the minimum requirements for admission, in classes containing only those students who have complied with these requirements.

B. In schools where excess and diminished credit is allowed students shall not be permitted to carry for credit more than thirty-two semester hours per year, nor shall any student receive more than thirty-seven and one-half semester hours' credit per year. In schools where excess and diminished credit is not permitted students shall not be allowed to carry for credit more than thirty semester hours per year, except that, at the discretion of a committee on excess credit, students ranking among the upper 30 per cent. of the student body in scholarship may be permitted to carry 33½ hours per year and students ranking among the upper 5 per cent. of the student body in scholarship may be permitted to carry 37½ semester hours per year.

(1) When students transfer credits from one institution to another, excess and diminished credit should be reported by institutions allowing it and should be accepted by all institutions of the Conference.

C. Amount of Teaching. The maximum amount of teaching which may be done by instructors in college classes shall not exceed 18 hours per week or its equivalent in time. Two laboratory periods shall be counted as the equivalent of one recitation period.

D. Preparation of Teachers. The minimum preparation of teachers of college classes shall be the equivalent of that represented by the master's degree from a standard university or college, with special preparation in the subjects taught.

This requirement shall not be retroactive.

E. Late Entrance. The total credit for students who enter late shall not exceed one semester hour for each week of attendance. This rule need not be applied to students who for adequate reasons enter not more than one week late.

F. Credit for Correspondence Work.

1. At least eight lessons should be required for each semester hour of credit. A lesson should be planned so that it will require approximately five hours (of sixty minutes each) for its preparation.

2. A maximum of ten semester hours or two high school units may be completed in any school year.

3. No college credit shall be given for correspondence work in reading circle books.

4. A uniform fee should be charged,—not less than three dollars per semester hour is recommended.

5. Copies of all lessons should be kept on file.

G. Credit for Extension Courses.

1. Not fewer than four lecture or teaching visits by regular members of the faculty for each semester hour of credit.

2. Students should be required to do enough written work in addition to bring the standard of extension work up to that of correspondence courses mentioned above.

IV. **Records.** No entry should be made on the permanent record card by any person other than the registrar and by him only in the performance of his official duties.

A. Each student's permanent record shall be kept on a grade card showing at least the following facts:

1. Designating the credit accepted from other institutions, with the name of institution or institutions, and the date or dates on which the advanced standing was granted.

2. Name of courses for which student registers.

3. Catalog number. In all records, courses shall be designated as follows:

In secondary courses, the name of the subject, together with a Roman numeral indicating the year of secondary work shall be used.

In the freshman and sophomore college years, the name of the subject together with an Arabic numeral from 1 to 99 shall be used.

In the junior and senior college years the name of the subject together with an Arabic numeral from 100 to 199 shall be used.

Where a course is divided into terms or semesters, the letters, a, b and c shall be affix to the course number to indicate the first, second and third terms respectively; and the letters a and b shall be affix to the course number to indicate the first and second semesters respectively.

4. Number of hours credit.
5. Term in which taken.
6. Grade.
7. Classification of student, as College or High School or Special Student.
8. Conditions specified in red ink.

B. Each student's daily program card or study card shall show at least the following facts:

1. Names of courses for which student registers.
2. Catalog numbers of these courses.
3. Number of hours' credit for which the student is registered in each course.
4. Term or semester in which the work is taken.

V. **Advanced Standing.** All advanced standing either secondary of college for work done in other institutions shall be recorded in the first term or semester during which the student is in attendance.

- A. From standard institutions of high school and college rank.
 1. Students entering from classified high schools shall be given credit according to the rating given by the State Superintendent.
 2. Advanced standing may be given on certificate for work completed in accredited standard junior colleges.

B. From other institutions.

1. Secondary Credit.
 - (a) For work completed in an unclassified secondary school credit may be given to the amount indicated by the State Superintendent's rating for this school.

Students claiming more credit for work done in either classified or unclassified secondary schools than is recommended by the State Superintendent's rating shall be given this credit by examination only.

(b) In no case shall entrance examinations be given for more than four units for each year spent in school.

(c) The entrance examinations shall be given by a committee of the faculty.

(d) The questions shall be set and the papers graded by the department in which the applicant seeks credit.

(e) Entrance examinations shall be held not later than the first week of each term.

(f) The time of the examination in each subject shall be stated in the catalog.

(g) The examination questions and papers shall be deposited with the chairman of the examining committee and kept on file for at least one year. The examiner's reports and all certificates and documents pertaining to the entrance and advanced standing of each student shall be kept in a permanent file.

(h) No credit by examination shall be given after a student has completed one year of work in the school, nor after an advanced course in the subject has been completed.

(i) Students shall not be admitted to examination for advanced secondary standing unless they produce evidence showing that they have made systematic preparation in the work for which this advanced standing is claimed.

(j) Where college credit is substituted to make up a deficiency in secondary credits, five hours of college credit shall be counted the equivalent of one unit of secondary credit.

(k) In the 1920 Conference of Presidents of State Educational Institutions it was further agreed that, if college credit is desired students must be able to show that they made systematic preparation under qualified teachers.

2. College Credit.

Credit from institutions other than those mentioned in V. A. shall be given only on the basis of examinations. The methods of giving the examinations shall be that designated in V. B.

C. No advanced standing of college rank shall be given for post graduate work in a high school unless such high school is properly equipt and definitely organized to do work of college rank, and restricted entirely to students who have completed a four year secondary course under teachers having the qualifications set forth for teachers of college subjects.

D. No credits shall be given for teaching experience gained as a teacher receiving a salary. If it seems probable that an experienced teacher can not take with profit any required courses in observation or practice teaching, he should be excused from such courses and required to elect an equal amount of academic or professional work.

E. No advanced standing for college credit shall be given for grades on state or county certificates when such grades have been secured by examination.

VI. A. A committee of three shall be selected to visit each of the state educational institutions, and report to the conference at such times as the conference may designate, the workings of each of such institutions with reference to each of the foregoing propositions.

1. Composition. The committee shall be composed of one representative from the University, one from the teachers colleges and one from the State Department of Education.

2. Selection. The representative from the State Department of Education shall be appointed by the State Superintendent of Schools and shall be chairman of the committee. The representative from the University shall be chosen by the faculty and president of the University. The representative from the teachers colleges shall be chosen by the presidents and faculties of the teachers colleges in rotation, beginning with the Northeast Missouri State Teachers College.

3. Tenure. The members of this committee shall serve for a period of one year, beginning July 1.

B. The work of unclassified colleges and schools shall be accepted as determined by the University of Missouri or the State Superintendent of Schools.

VII. The professional degree for the completion of the 120 semester hour course given in the Teachers Colleges and the School of Education of the University of Missouri should be the degree of Bachelor of Science in Education.

VIII. No elementary certificate shall be granted by any of the institutions represented in this conference, with less than two terms in residence and no diploma shall be granted on less than three terms in residence.

IX. It is the sense of this Conference that at the time the law goes into effect requiring graduation from a four year high school course preliminary to a first grade county certificate, the elementary certificate of the teachers colleges should be based upon 60 semester hours of credit, and that the life diploma should be based upon 120 semester hours of credit.

X. When this conference finds that the conditions named in this report have been fully met, college work done in any of the institutions shall be accepted hour for hour in the other institutions, and graduates of the 120 hour course shall be admitted to the graduate school of the University of Missouri.

XI. Present conditions for accepting college work from other institutions.

(A) College work done in any of the institutions of the Conference Agreement by students who have regularly enrolld for the first time since Sept. 1, 1916, shall be accepted by the other institutions hour for hour and such students finishing the 120 hour course shall be admitted to the graduate school of the University of Missouri.

(B) College work done by students regularly enrolld before Sept. 1, 1916, and in attendance not less than one term, since Sept. 1, 1916, shall be accepted on the same basis as the above, provided satisfactory evidence is produced showing that the entrance requirements have been met, and provided further the college credit granted in any year does not exceed the maximum amount provided for in the conference agreement.

(C) College work done by students enrolld before Sept. 1, 1916, and not in attendance one term since Sept. 1, 1916 shall be accepted in accordance with the provisions under (B), with the understanding that each case will be dealt with according to its particular merit and that each school accepting such credit, shall be the judge of the amount of credit granted.

XII. The Articles of Agreement should be published in the catalogs of all institutions that are parties to the agreement.

STATISTICS OF ATTENDANCE

	Men	Women	Total
No. different students in residence, Summer Term, 1919.....	181	841	1022
No. different students in residence, Fall Term, 1919.....	138	316	454
No. different students in residence, Winter Term, 1919-20.....	152	307	459
No. different students in residence, Spring Term, 1920.....	129	350	479
Average number attending.....	150	454	604
No. different students in residence May 28, 1919, to May 21, 1920....	309	1146	1455
No. different students in Correspondence Courses, Sept. 1, 1919 to May 21, 1920.....	47	205	252
No. different students in Extension Classes, Sept. 1, 1919 to May 21, 1920.....	11	156	167
Total enrolment of different students, May 28, 1919, to May 21, 1920..	367	1507	1874
No. children below 9th grade in Demonstration Schools.....			196
Grand total.....			2070
No. enrolld in Summer Term, 1920 (to date).....			1155

STATISTICS OF DEGREES, DIPLOMAS AND CERTIFICATES

May 28, 1919, to May 21, 1920

Number of 120-hour Diplomas, with B. S. in Education Degree.....	73
Number of 90-hour Diplomas issued.....	55
Number of 60-hour Diplomas issued.....	99
Number of Elementary Certificates issued.....	268
Number of Rural School Certificates recommended for issue.....	28

Total number issued during the year..... 523

GRADUATES OF 120-HOUR COURSE RECEIVING BACHELOR'S DEGREE
June, 1919, to June, 1920

Ruby Anna Bacon, Adda Bailey, Marvin F. Beach, Ethel Devier Bennett, Sylvester Morris Boucher, Anne Elizabeth Brewington, Eula Hull Bufford, William E. Burnham, Norbert C. Burns, Inez Cecile Callison, Addie Carthrae, Bessie Crystal, Richard Heflion DeWitt, Nettie Dickerson, Mrs. Bernice Brown Dillinger, Jimmie Marion Dillinger, Ivy Dougherty, Gladys Doss, Gladie Childers Dye, Alpha May Dudley, Mary Ruth Early, Omer Boyd Eddins, Thomas Edwards, Albert Felix Elsea, Jessie May Ewing, Maude Gibson, Jasper Hugh Gilbert, Logan M. Gilbreath, Orville E. Gordon, Lloyd Juan Graham, Otto Everett Graham, J. Wallace Graves, May Hatfield, Herman Guy Hayes, Oryel E. Hooker, Gladys Verne Howey, Harry Jarman, Cloe F. Johns, Emma Marie Johnson, Olive M. Kaser, Victor H. Kirk, Lenore Lindsey, Aldena Josephine Mason, Mary McLaughlin Matlick, Ella McClain, Juanita McGuire, Barton S. Morgan, Zoa Ruth Music, Gertrude Nagel, Mildred May Nulton, Nellie Childers Purdy, Carmelita Quinn, Jeanne Willet Ramsey, Minnie Moss Richardson, Blanche Reid, Emmet Charles Rogers, Walter Harrington Ryle, Mabel Maxine Shepherd, Mary Frances Shouse, Grace Iris Smoot, Grover Cleveland Stukey, Arthur Malcolm Swanson, Georgia Lee Tatum, Claire Terrill, Louis Unfer, Earl Julius Van Horne, Pauline Mildred Vaughn, Zachariah Robert Wall, Marion Wattenbarger, Nelle Wells, Ruby Grace Wells, William Hardin White, Flora A. Wright.

GRADUATES OF 90-HOUR COURSE, June, 1919, to June, 1920

Harvey Henson Alderson, Florence Adela Baker, Alda May Berghofer, Julia Waters Briggs, Minnie Ivan Brott, Virgie Belle Brightwell, Sallie Shannon Brown, Gwynne Adams Burrows, Leota Burton, Eunice Mildred Cockrum, Bracy Vilas Cornett, Jesse M. Davidson Orville Lee Davis, Jimmie Marion Dillinger, Alpha May Dudley, Matilda Mahaffey Elsea, Adra Bland Finegan, John Raymond Ford, Mary Henrietta Friday, Hetty Lee Galbreath, Jasper Hugh Gilbert, Otto Everett Graham, Thelma G. Gregory, Jean Hanks, Alfred Willis Hayes, Jacob Irving Hess, Anna Paxton Higginbotham, Jesse S. Hitch, Leo Roy Hutchison, Nondas Jordan, Jens F. Madsen, Joseph W. Mott, Mary Swayne Paxton, Earl Yates Poor, Lena Frances Peterson, Elsie Mae Post, Alice Margaret Potter, Frances Kathryn Potter, Rexie Pyle, Esther Elizabeth Redmon, Adeline Reed, Vera Inez Richardson, Paul Riggins, Francis Forest Rogers, Elizabeth Ryle, Ida Ellen Seidel, Myrtle Lucille Shepard, Ollive Pauline Shumaker, Lanore Simmons, Pauline Mildred Vaughn, Isaac John Vogelgesang, Willie E. Whitson, Helen Naomi Wilson, Glessie Azalia Winfrey, Fern Elizabeth Winnette.

GRADUATES OF 60-HOUR COURSE, June, 1919, to June, 1920

Miriam Pearl Adams, Harvey Henson Alderson, Charlotte Opal Bailey, Wallace Gano Berry, Harry S. Berger, Fannie Mae Blake, Julia Waters Briggs, Minnie Ivan Brott, Deborah Brown, Ruth Elizabeth Brown, Gwynne Adams Burrows, William Arnold Burton, Ruby Mae Caldwell, Grace Margery Carman, Marie Carroll, Bracy Vilas Cornett, Nannamai Cox, Ruth Crookshank, Julia Asal Dalzell, Mildred Ward Davidson, Laura Olive Davisson, Lois Melvina Drake, Olga Anne Duncan, Lorena Ellis, Garnet Alberta Everett, George Everett Estes, Verna Deane Fisher, Lulu Luella Fogle, Frank Lloyd France, Sallie Belle Garrett, Evelyn Gentry, Gertrude Gentry, Leonah B. Grassle, Thelma G. Gregory, Franklin Lee Hales, Myrtle Ellen Harter, Anna Paxton Higginbotham, Mabel Ruth Holcomb, Lillie Leedom Hollowell, Clea Carra House, Pauline McAuley Houston, Goldie Mae Hulen, Glenn Claude James, Anna Belle Jennings, Ruby Johnston, Eunice Pearl Jones, Leta Kimbley, Pelle E. Logan, Fred Moss Luttrell, Josie Edith Loughhead, Anna Maskey, Dollie Angell McKenzie, Helen Frances Middleton, Olive Miles, Vinnie Burk Montgomery, Bert E. Morgan, Wayne Pamroy Morse, Clara Mudra, Olive Marion Mudra, Belle Nowels, Agnes E. O'Neill, Hattie M. Orr, Flora Page, Effie Mabel Pennick, Mary Hamilton Perrin, Crystal Berdine Petree, Myrtle Frances Petree, Gail Fox Powell, Mary Elma Poole, Corbin Lee Poor, James William Primrose, Goldie B. Prosser, Nada Reddish, Flossie Leanora Redmon, Mabel Rinehart, Georgia B. Robb, Jessie May Rogers, Nellie Rogers, Grace Leeanna Rowe, Martha Koenemann See, Ida Ellen Seidel, Ura Ova Sever, Reba Katherine Shearer, Lanore Simmons, Ruth Miller Steele, Pauline Mildred Vaughn, Eunice Walker, L. Vivien Walther, Madoline Frances Ward, Zelma Mae Wells, Doris Wickizer, Frances Wickless, Joyce Wickless, William Archibald Wood, Mary Lee Woods, Beatrice Morrow Yarbrough, Irvie Lee Yowell, Ruby May Yowell, Gladys Zahl.

**GRADUATES OF 30-HOUR COURSE RECEIVING ELEMENTARY CERTIFICATES,
June, 1919, to June, 1920**

Miriam Pearl Adams, Juanita Alexander, Robert L. Alexander, Mrs. Etta Capitola Andrews, John Arthur Andrews, Lillian Frances Asbury, Marion G. Atherton, Jennie Lee Atkins, Nannie Lucile Bagby, Frances Elizabeth Baier, Joe Miller Barnes, Anna Marguerite Barnett, Olive Winard Beaty, Dora Allean Billings, Kathryn Iris Berry, Mary Dedman Biggersstaff, Helen Irene Blackburn, Lucille Blakemore, Edna Clio Briggs, Leota Mae Briggs, Nadine Glen Brooks, Bertha Margarette Brown, Frances Aylette Brown, Ruth Elizabeth Brown, Ethel Keo Brott, Malie Gertrude Buford, Abbie Mae Bull, Alta Bunch, Minnie Burch, Lois Ellen Burkhardt, Mary Dyas Burnett, William Arnold Burton, Hazel Orene Bushong, Mattie Doil Callison, Beryl Leota Calvert, George Arthur Camden, Grace Margery Carman, Paul Omega Carr, Marie Carroll, Anna Lucile Casper, Zerva Fern Cauby, John A. Childers, Glenn R. Childress, Lenora Childress, Clara Ruth Christy, Mabel Ida Coffel, Mabel Francis Cole, Ora Albert Collins, Veral Deloss Collins, Frankie Connell, Opal Lucille Cook, Loa Josleen Copenhaver, Wendell Henry Cordle, Heitha Gertrude Cornish, Nannamai Cox, Lucy May Craig, Mrs. Maggie Mitchell Crank, Nan Riggs Crews, Warren O. Crump, Mary Lou Crutcher, Laula Olive Davissou, Lela Lucille Dawson, Mrs. Nelle B. Dawson, Goldie Marie Deierling, John Finley DeVold, Gertrude Dillon, Margaret Louise Dolan, Martha Cecil Doss, Burnis Bryan Dowell, Mildred D. Downing, Miley Earl Downs, Mrs. Miley Earl Downs, Lois Meivina Drake, Clarissa Kathryn Duer, Lena Belle Dugan, Olga Anne Duncan, Willie Jewell Duncan, Zethel Eaton, Nancy Lee Edwards, Edith Marille Eller, Helen Elliott, Nora Lucinda Epperly, George Everett Estes, Orene Fagg, Ruth Farmer, Mary Margaret Farrell, Emily Isabel Farris, Rose Ellen Fisher, Vinita Flinchpaugh, John Raymond Ford, Beulah Irene Foster, Philip Robert Foster, Alta Rowena Freeman, Lenore B. French, Mary Margaret Galland, Marie Gardner, Letha Olive Geoghegan, Horace Malone Gideon, Jewel Diorah Goodwin, Joseph Glenn Glascock, Otto Everett Graham, Rosa Pearl Green, Edna Sophia Gray, Thelma G. Gregory, Adelia Belle Grimes, Grace T. Gusewelle, Franklin Lee Hales, Rena Hamilton, Louise Harding, Hurschel Hollis Hardy, Mary Elizabeth Harpham, Myrtle Ellen Harter, Bernice Veva Hayden, Gladys Marie Hayden, Iva May Hayes, Flora Heartsell, Nell Frances Henderson, Eugene Dralle Hess, Uva Beth Hess, Elvesa Lee Hilbert, Lucille Elizabeth Hilbert, Ida Mae Hilton, Marie Cecelia Holvey, Ralph Woodward House, Alma Vera Howlett, Helen Howerton, Bernice Hughes, Gladys Rowena Hutchison, Dollie Inbody, Helen Ruth Johnson, Elsie May Jones, Eunice Pearl Jones, Grace Marie Jones, Gwen Jones, Lillian Jones, Eula Florence Kautz, Gladys Della Keithly, Leta Kimbley, Allie Kitch, Dora Inez Laswell, Velma Fern Lee, Maude Esther Leeper, Adele Lewis, Oneta Liter, Pelle E. Logan, Earl Edwin Looker, Grace Rena Loughhead, Josie Edith Loughhead, Naomi Lee Lovell, Mayme Gail Lowrance, Fred Moss Luttrell, Mary Maud Markey, Levi Harris Markland, Lola Myrtle Martin, Anna Maskey, Harvey Vernon Mason, Anna Elizabeth McCarty, Mary Elizabeth McConnaha, Mary Eugenia McCully, Minnie Montez McCully, Virginia Elizabeth McDonald, Blanche A. Miller, Mary Inez Miller, Gwendolyn Mitchell, Vanda Mitchell, Vernie Taylor Mitchell, Vinnie Montgomery, Irene Catherine Moore, Mary Elizabeth Moore, Gladys Pearl Morgan, James Forrest Morrissey, Nellie V. Mudd, Olive Marion Mudra, Lena Murphy, Golah K. Naylor, Pearl Elizabeth Nolen, Mary Edith Norris, Belle Nowels, Ethel Nowels, Lorenia Oldham, Hattie M. Orr, Esther Dorena Oschner, Alice Overby, Mary Waller Owsley, Ada Page, Stella See Peck, Olive Pemberton, Coral Perin, Cleo Perry, Kathleen Harriet Perry, Myrtle Frances Petree, Inez Mary Pierce, Sallie Pollard, Mary Elma Poole, Corbin Lee Poor, Ferol Elizabeth Potter, Gail Fox Powell, James William Primrose, Dorris Lorena Ratherford, Elizabeth Almira Ratherford, Mrs. Liera Marvin Rauer, Bessie Lee Ray, Alma Reed, Georgia May Renshaw, Sarah Ethel Reynolds, Matilda T. Rhoads, Mabel Clair Rhodes, Margaret Lyons Riordan, Louise Roberts, Sadie Frances Robertson, Anna Jane Robinson, Mary Rogers, Nellie Beatrice Rogers, Raymond Clyde Rogers, William Everett Rosentengel, Mary Elizabeth Scanland, Katherine Mary Schmid, Mattie V. Seaver, Mary Eller Sever, Ura Ova Sever, Manona Belle Shearman, Ruth L. Shipley, Rosa Sophia Shoop, Gayle Showen, Ethelyn Simmons, Ruth Simmons, Elizabeth Irene Sizemore, Anna Skelton, Estill Grissom Skinner, Helen Irene Smith, Ione Edith Smith, Iva Marie Snodgrass, Maurine Sparks, David Arville Squires, Kenneth Steele, Ica Belzena Street, Violet Adelaine Street, Mabel Pauline Sturgeon, Leanna Maurienne Terry, Leota Thomas, Claud Edgar Todd, Marion Greta Trotter, Georgia Maree Tupine, Blanche Ardis Unger, Lorannah Roberta Vaughan, Cornelia Emmaline Vitteteau, Gertrud

M. Vogel, Waldo Emerson Waltz, Marguerite L. Ward, Gladys Louise Warren, Ruby Webber Stella Wells, Helen Clay Welsh, Grace Whaley, Hannah Whitacre, Nellie Delphina White, Frances Wickless, Joyce Wickless, Carmen L. Williams, Hortense Berrien Williams, Jennie Lynn Williams, Mary Floy Williams, Carrie Belle Wills, Hazel May Wilson, Opal Xander, Chloie Estella Yeater, Irvie Lee Yowell, Ruby May Yowell.

GRADUATES OF RURAL CERTIFICATE COURSE, June, 1919, to June 1920

Nellie Gay Adams, Vivian Ermal Barney, Vera Marie Churchill, Helen Crawford, Gladys Crews, Foster A. Dill, Nettie Florence Dutton, Clyde Fillmore Foster, Charles Earnest Garner, Eva Laurine Gibb, Anna Maurie Grant, Sophia Hildmann, Ruby Mae Kimbley, Madge A. Knowles, Fon Everett Landtiser, Se Dora Babbitt Loney, Alpha Corrine Mayfield, Florence Moots, Ruby Helen Myers, Pearl Osborn, Hazel Gertrude Quick, Catheryn Seckler, Ruth Scott, Narcissa May Shores, Alvin B. Walker, Fannie Myrtle White, Irvie Lee Yowell, Ruby May Yowell.

ENROLLMENT

JUNE 1, 1919, TO MAY 24, 1926

NAME	COUNTY
Abshire, Jennie Hearne.....	Livingston
Adams, M. Pearl.....	Linn
Adams, Nellie G.....	Sullivan
Adkins, Katie Marie.....	Chariton
Adzit, Marie.....	St. Louis
Agee, Thelma Alfareta.....	Macon
Ainslie, Margaret L.	Adair
Alderson, Harvey Henson.....	Montgomery
Alexander, Amare Mae.....	Schuyler
Alexander, Edith J.....	Schuyler
Alexander, Juanita.....	Monroe
Alexander, Robert L.....	Randolph
Allen, Jesse Belle.....	Clark
Allen, Pauline Grace.....	Shelby
Ames, Annabelle.....	Sullivan
Anderson, Mary Camilla.....	Sullivan
Anderson, Melvin A.....	Linn
Andrews, J. A.....	Lewis
Andrews, Mrs. Etta C.	Lewis
Angel, Roxie Louisa.....	Pike
Anspach, Blanche Salena.....	Macon
Appel, Carl Frederic.....	Randolph
Arbuckle, Rightie.....	Howard
Arnold, Helen E.....	OHIO
Asbury, Lillian Frances.....	Johnson
Ashby, I. Merle.....	Knox
Aston, Rollah E.....	Warren
Atherton, Marion G'.....	Clark
Atkins, Jennie Lee.....	Boone
Atterbury, Newton.....	Monroe
Auston, Nola G'.....	ILLINOIS
Babbitt, Frank Kenneth.....	INDIANA
Bachman, Daisy Ruth.....	Adair
Bachman, Erma Ellen.....	Adair
Bacon, Ruby.....	Linn
Bagby, Lucille.....	Lewis
Baier, Frances Elizabeth.....	Saline
Bailey, Charlotte O.....	Macon
Bailey, Dennis Jefferson.....	Macon
Bailey, Leslie Laura.....	Lewis
Bailey, Adda.....	Macon
Bailey, Maudie Fern.....	Macon
Baird, Mary M.....	KANSAS
Baker, Edward Roscoe.....	Sullivan
Baker, Eula Blythe.....	Randolph
Baker, Florence A.....	Adair
Baker, Isabelle A.....	Chariton
Baker, Lee.....	Lincoln
Baker, Margaret.....	ILLINOIS
Baker, Nora.....	Macon
Baker, Robert Luther.....	Adair
Baldrige, Samuel Noel.....	Sullivan
Ball, Julia Rebecca.....	Montgomery

NAME	COUNTY
Ball, Pearl L.....	-Macon
Ball, Virginia Carter.....	Lincoln
Baltzell, Nelda B.....	Lewis
Banner, Rollie E.....	Sullivan
Barnard, Vernal Charlotte.....	Adair
Barnard, William Lee.....	Adair
Barnes, Blanche Esther.....	Adair
Barnes, Ed Wayne.....	Randolph
Barnes, Joe Miller.....	Randolph
Barnes, Margaret.....	Adair
Barnett, Anna Margaret.....	Adair
Barnett, Della.....	Adair
Barnett, Hazel.....	Adair
Barnett, Helen.....	Adair
Barnett, Iris Gertrude.....	Schuyler
Barnett, Lola.....	Adair
Barney, Vivian Ermal.....	New Madrid
Barr, Willa Davis.....	Lewis
Barricklow, Mary Helen.....	ILLINOIS
Bashaw, Edward William.....	Iowa
Bash, Eugene Homer.....	Lewis
Baxter, Elsie.....	Callaway
Beach, M. F.....	Randolph
Beard, Walter C.....	Adair
Beaty, Olive Winard.....	Adair
Beatty, Elizabeth.....	Audrain
Beatty, S. Gordon.....	Macon
Beck, Jessie O.....	Schuyler
Beers, Sidney Lloyd.....	Macon
Belsher, Edith Louise.....	Macon
Bennett, Mrs. Ethel.....	Adair
Bennett, Hazel Julia.....	Knox
Bennett, Ogie Magnolia.....	Sullivan
Bennett, Pansy Victoria.....	Adair
Bennett, Ruth.....	Adair
Benning, Anna Sale.....	Macon
Berger, Harry S.....	Montgomery
Berger, Jewell Ellen.....	Montgomery
Berger, Judith Anne.....	Montgomery
Berghofer, Alda May.....	Marion
Bergmann, Chas. Otha.....	Macon
Berry, Kathryn Iris.....	Boone
Berry, Nancy.....	Schuyler
Berry, Wallace Gano.....	Knox
Berry, Welcolm.....	Schuyler
Beshears, William.....	Ralls
Betz, Nina Elizabeth.....	Callaway
Biggerstaff, Mary Dedman.....	Clinton
Biggs, John Hight.....	Schuyler
Billings, Dora Allean.....	Macon
Blackburn, Helen Irene.....	Saline
Blackwell, Bessie T.....	Montgomery
Blackwood, Anna Erlene.....	Shelby

Blake, Fannie Mae.....Chariton
 Blakemore, Cynthia.....Boone
 Blakemore, Florence.....Boone
 Blakemore, Lucile.....Boone
 Bledsoe, Harvey.....Adair
 Boarman, Mary Edyth.....Monroe
 Bohrer, Fern.....Adair
 Boland, Violet M.....Putnam
 Boltz, Leona.....Knox
 Bonderer, Josephine.....Livingston
 Boone, Martha S.....Montgomery
 Boucher, S. Morris.....Randolph
 Bowen, Jackie Marie.....Knox
 Bradley, Edith.....Adair
 Bradley, Ethel.....Adair
 Bradley, Gladys Eural.....Linn
 Bradshaw, George Verlan.....Putnam
 Brandon, Grace Willie.....Sullivan
 Brantner, Lowell Benfors.....Linn
 Bratton, Ethelyn Ella.....Boone
 Breidenstein, Della M.....Scotland
 Brenizer, Bessie Mae.....Schuyler
 Brenton, Lena Belle.....Audrain
 Briggs, Edna Clio.....Sullivan
 Briggs, Julia Waters.....ARKANSAS
 Briggs, Leota.....Sullivan
 Brightwell, Virgie.....Lewis
 Brooks, Nadine.....Boone
 Brooks, Thelma Jessie.....Adair
 Brosi, Mary.....Lewis
 Brott, Ethel Keo.....Livingston
 Brott, Minnie.....Livingston
 Browitt, Ruth Gladys.....Macon
 Brown, Bertha M.....St. Charles
 Brown, Deborah.....Lincoln
 Brown, Frances Aylette.....Linn
 Brown, Mrs. Mary G.....Shelby
 Brown, Mary Kathryn.....Adair
 Brown, Myrtle.....Sullivan
 Brown, Ruth.....Iowa
 Brown, Stanley J.....Linn
 Brown, Sarah Shannon.....Lincoln
 Browning, Flo E.....Macon
 Broyles, Blanche.....Linn
 Broyles, Elfie.....Linn
 Bryson, Phyllis.....Adair
 Bufford, Eula Hull.....Adair
 Bufford, Vergil.....Adair
 Buford, Marie Gertrude.....Scotland
 Buhl, Homer Charles.....Adair
 Bull, Abbie Mae.....Scotland
 Bunch, Alta.....Macon
 Buntun, Stella.....Macon
 Burch, Minnie.....Macon
 Burks, Virginia.....Sullivan
 Burnham, William Elwood.....Howard
 Burkhardt, Lois Ellen.....Knox
 Burnett, Mary Dyas.....Lewis

Burns, Norbert C.....Adair
 Burress, W. H.....Adair
 Burrows, Gwynne.....Adair
 Burrows, M. Iphigenia.....Adair
 Burt, Irene.....Callaway
 Burton, Leota.....Gentry
 Burton, Viola Mae.....Randolph
 Burton, W. A.....Scotland
 Busey, Floy.....Scotland
 Butler, Mattie Modelle.....Audrain
 Caldwell, George R.....Johnson
 Caldwell, Ruby.....Johnson
 Call, M. Hazel.....Sullivan
 Callihan, Cordia V.....Linn
 Callison, Clarence Page.....Adair
 Callison, Inez.....Adair
 Callison, Mattie Doil.....Putnam
 Calvert, Beryl L.....Clark
 Camden, George Arthur.....Schuyler
 Camden, M. Opal.....Schuyler
 Cammack, R. Ralph.....Iowa
 Camp, Everett Earl.....Sullivan
 Camp, Jesse E.....Sullivan
 Campbell, Charles T.....Putnam
 Cannon, Almira M.....Clark
 Capps, Forrest Olin.....Putnam
 Capps, Reta May.....Adair
 Carman, Mildred Alice.....Clark
 Carman, Grace Margery.....Lewis
 Carothers, Mary Margaret.....Adair
 Carr, Paul Omega.....Randolph
 Carroll, Kevin J.....Adair
 Carroll, Marie.....Adair
 Carscadin, Frances Louise.....Grundy
 Carter, Florence Richmond.....Macon
 Carter, Hope Lee.....Lewis
 Carthrae, Addie Belle.....Montgomery
 Case, Bertha May.....Livingston
 Cashman, Helen Elliott.....S. DAKOTA
 Casper, Lucile.....Schuyler
 Cass, Lois Fay.....Marion
 Casteel, Julia Ett.....Putnam
 Cauby, Zerva.....Adair
 Chambers, G. W.....Adair
 Chapman, Christine.....Adair
 Chapman, Howard Kellogg.....Adair
 Childers, Esta Okla.....Gentry
 Childers, John A.....Gentry
 Childress, Glenn R.....Lewis
 Childress, Lenora.....Lewis
 Chilton, Berenice Leonora.....Randolph
 Christian, Olga Irene.....Putnam
 Churchill, Vera Marie.....Sullivan
 Christy, G. Garland.....Clark
 Christy, Ruth.....Clark
 Claypool, Garnett Theo.....Randolph
 Clark, Esther R.....Putnam
 Clark, Ruth.....Adair

Clevenger, Lewis C. Adair
 Cloyd, Martha Frances Knox
 Cochran, John McKinley Sullivan
 Cochrum, Eunice M. Adair
 Coe, Ruby May Montgomery
 Coffel, Mabel Adair
 Cole, Mabel Francis Knox
 Cole, Pearl John Knox
 Coleman, Lewis Chas. Scotland
 Collett, Anna B. Adair
 Collins, Bessie Gladys Macon
 Collins, Ora Albert Livingston
 Collins, Vearl D. Lewis
 Collins, Frank, Jr. Macon
 Colyer, Wardie Roscoe Linn
 Compton, Thelma Lee Adair
 Compton, Gladys Virginia Adair
 Connell, Frankie Marion
 Cook, Annie Warren Boone
 Cook, Cora Adair
 Cook, Mabel Randolph
 Cook, Maude M. Macon
 Cook, Nellie Viola Macon
 Cook, Opal Lucille Boone
 Cook, Rebecca E. Pike
 Coons, Mildred McCurdy Knox
 Coon, Wilma Knox
 Coontz, Ethel Ralls
 Copenhaver, Loa Josleen Pike
 Corbin, Margaret OKLAHOMA
 Corcoran, Julia Amy Macon
 Cordle, Mrs. Hallie Jones Sullivan
 Cordle, Wendell H. Sullivan
 Cornett, Bracy B. Linn
 Cornish, Hertha G. KANSAS
 Cornmesser, Hazel Irene ARKANSAS
 Cornwall, Cliff Grundy
 Cowherd, Alice Aimee Audrain
 Cox, Nannamai Sullivan
 Craig, L. May Adair
 Crandell, Helen W. Clark
 Crane, Mrs. Caroline Marion
 Crane, Mary Catherine Montgomery
 Crank, Maggie Mitchell Lincoln
 Crawford, Helen L. Sullivan
 Crews, Gladys Randolph
 Crews, Nan Jasper
 Crookshank, Ruth Linn
 Crow, Jane ILLINOIS
 Crump, Madelyn Adair
 Crump, Roy Trevelyn Adair
 Crutcher, Mary Lou Monroe
 Crump, Warren Adair
 Crystal, Alpha R. Macon
 Crystal, Bessie Kathryn Linn
 Cullimore, Virginia Adair
 Cunningham, Cline T. Scotland
 Cupp, Leora Jane Macon

Curry, Marian E. Jackson
 Cypher, Helen Anna Adair
 Dale, Jessie G. Adair
 Dalton, Leonard A. Adair
 Dalzell, Julia Asal Sullivan
 Dalzell, Christine Lois Sullivan
 Dalzell, Ruby Gertrude Sullivan
 Dalzell, Verna M. Sullivan
 Davidson, Bessie Idell Montgomery
 Davidson, Mildred Ward Adair
 Davidson, Jesse Marion Montgomery
 Davidson, Joseph A. Callaway
 Davidson, Joseph M. Adair
 Davis, Esther Dean Macon
 Davis, Geo. W. Harrison
 Davis, O. L. Adair
 Davis, Guernsey Putnam
 Davison, Laura Olive Sullivan
 Dawkins, Cordia Elizabeth Sullivan
 Dawkins, Wm. Bryan Sullivan
 Dawson, Lela Lucille Schuyler
 Dawson, Nelle B. Monroe
 Dean, Flossie M. Monroe
 Dean, Goldena Chariton
 De Capito, Thelma Marvel Sullivan
 Dedrick, Grace Lewis
 Deierling, Goldie Schuyler
 Delaney, Edwin G. Monroe
 De money, Lenore A. Putnam
 Denny, Christine Howard
 Dennison, Ruth Elizabeth Schuyler
 Derby, Ethel White Adair
 Deul, Edna Deane Adair
 Devilbiss, Dennison Lewis
 DeVold, Harvey Robert Sullivan
 DeVold, John Finley Sullivan
 DeWitt, Richard H. Adair
 Dickerson, Nettie Putnam
 Dickinson, Grace Linn
 Diehl, Vernie Livingston
 Dill, Foster A. Scotland
 Dillinger, Mrs. Bernice Adair
 Dillinger, Claude Sullivan
 Dillinger, Glenn Sullivan
 Dillinger, Jimmie Marion Adair
 Dillinger, Ray Sullivan
 Dillinger, Thomas Earle Sullivan
 Dillon, Gertrude Montgomery
 Dinsmore, Thelma Chariton
 Dinwiddie, Lula Frances Marion
 Dixon, James E. Clark
 Dixon, Annie Hill Knox
 Dodson, Isabel Adair
 Dolan, Mamie Erwin Caldwell
 Dolan, Margaret L. Marion
 Dolan, Vera Macon
 Donohew, Dale Macon
 Doss, Gladys Adair

Doss, Martha	Adair	Evans, Ruby Lou	Ralls
Doss, Susie Jennie	Linn	Everett, Garnet A.	Montgomery
Dougherty, Bennie Fred	Adair	Everett, Pauline	Montgomery
Dougherty, James H.	Randolph	Ewing, George C.	Lafayette
Dougherty, Ivy	Adair	Fagg, Orene	Boone
Douglas, Elna Pearl	Randolph	Farmer, Earl LeRoy	Macon
Douglas, Mabel Beatrice	Macon	Farmer, John Edwin	Macon
Dowd, Naoma	Butler	Farmer, Ruth	Macon
Dowell, B. B.	Livingston	Farr, Ina Ethel	Adair
Dowell, S. Taylor	Livingston	Farrell, Mary Margaret	Monroe
Dowell, Susie	Macon	Farrington, Kendrick B.	Adair
Downing, Mildred	Adair	Farris, Emily Isabel	Ray
Downs, Miley E.	Montgomery	Faulhaber, Ruth Rigg	Montgomery
Downs, Mrs. Miley	Montgomery	Fauss, Augusta C.	Linn
Drake, Lois Melvina	Adair	Fidler, Thurba	Adair
Drake, Oma	Adair	Finegan, Adra B.	Adair
Druse, Vera Edith	Reynolds	Finegan, Retta	Adair
Dry, Blanche Odella	Randolph	Finley, Emmett S.	Monroe
Duckworth, Virginia Martha	Linn	Finley, S. Belle	Linn
Dudley, Alpha May	Macon	Finney, Chester	Linn
Duer, Clarissa Kathryn	Shelby	Fisher, Ernest Lee	Knox
Dugan, Lena Belle	Montgomery	Fisher, Ilene Frances	Grundy
Dugan, Pearle D.	Montgomery	Fisher, Rose Ellen	Adair
Dulanty, Odessa	Chariton	Fisher, Verna D.	Schuyler
Duncan, Olga Anne	Iowa	Fletcher, Grace Belle	Putnam
Duncan, Willie Jewell	Lincoln	Flinchpaugh, Vinita	Adair
Dunn, Odetta Rae	Linn	Fogle, Lula	Schuyler
Dunn, Wm. Hudson	Harrison	Ford, Bessie	Pike
Durland, Lulu I.	NEBRASKA	Ford, John Raymond	Callaway
Dutton, Nettie Florence	Callaway	Ford, Raymond	Macon
Dye, Mrs. Gladie C.	Gentry	Foster, Beulah Irene	Adair
Eads, Xena June	Daviess	Foster, Clyde Fillmore	Sullivan
Eagle, Gladys Naomi	Adair	Foster, Jennie Hallie	Grundy
Eames, Belva L.	ILLINOIS	Foster, Myrtle Alice	Adair
Early, Mary Ruth	Boone	Fountain, Lucille	Randolph
Eaton, Zethel	Adair	Fox, Anna Marie	Knox
Eddins, Omer B.	Adair	Fox, James R.	Chariton
Edwards, Nancy Lee	Linn	Fox, Winona Frances	Linn
Edwards, Thomas	Sullivan	Frame, Lloyd	Adair
Eggert, Carl Ludlow	Adair	France, Frank L.	Macon
Ellis, Helen C.	Marion	Francis, Mrs. Ina	Adair
Elgin, Martha Emily	Marion	Freeman, Alta Rowena	Ray
Eller, Edith Morille	Knox	Freemyer, Nellie Pearl	ARKANSAS
Ellis, Lorena	Lincoln	French, Ina Harriett	Iowa
Elliot, Helen	Randolph	French, Lenore B.	Harrison
Elmore, Leland	ILLINOIS	Freiberger, Erna	Adair
Elms, Lenna Ann	Schuyler	Friday, Mary H.	Sullivan
Elsbury, Estill Raymond	Monroe	Fuller, Edmund Lester	Adair
Elsea, Albert F.	Marion	Galbreath, Hetty	Adair
Elsea, Mrs. Matilda	Marion	Galland, Mary Margaret	Clark
Emerson, Grace L.	Knox	Gallatin, J. L.	Adair
Epperly, Ida Lee	Randolph	Gallatin, Nina L.	Adair
Epperly, Nora Lucinda	Randolph	Gardiner, Madeline Cross	Carroll
Epping, Edna Lorine	Randolph	Gardner, Charles M.	Adair
Estes, Eulah May	Linn	Gardner, Jennie M.	Adair
Estes, George E.	Shelby	Gardner, Marie	Adair
Evans, Beulah Ethel	Audrain	Garner, Chas. E.	Shelby
Evans, Lenna Ruth	Monroe	Garner, Mabel E.	Marion

Garnett, Ellis WYOMING
 Garnett, Ora W. Shelby
 Garrett, Sallie St. Louis
 Garrison, Carmi Lloyd Scotland
 Garrison, Milton Scotland
 Garrison, Uda B. Scotland
 Gaunt, Audrey Macon
 Gaunt, Rubey Macon
 Gehrke, Hazel Adair
 Gender, Celeste J. Sullivan
 Gentry, Christy A. Monroe
 Gentry, Dona Mary Grundy
 Gentry Evelyn Boone
 Gentry, Gertrude Boone
 Geoghegan, Letha Adair
 Geoghegan, Raymond B. Adair
 Geuss, Catherine P. Knox
 Gibb, Eva L. Howard
 Gibson, Myra B. Macon
 Gideon, Horace Malone Randolph
 Gilbert, Jasper H. Clark
 Gilbreath, Logan Macon
 Glascock, Joseph Glenn Ralls
 Glaves, Virgil Adair
 Glaze, Orel Dean Adair
 Glenn, Mary Ethel Chariton
 Glenn, Mrs. Sadie Chariton
 Goeke, Eleanora T. Adair
 Goetze, Bertha Randolph
 Gonnerman, Addie Margaret Knox
 Gonnerman, Mary Anna Knox
 Goodwin, Essie Adair
 Goodwin, Jewell Knox
 Gordon, Lola Dalph Adair
 Gordon, O. E. ' Adair
 Gordon, Opal M. Knox
 Gordon, Zula Blanche Adair
 Gorrell, W. Edgar Clark
 Goslin, Willard Boone
 Gosnell, Mrs. Georgia Knox
 Gosser, Leo G. Schuyler
 Graham, Lloyd Juan Adair
 Graham, Otto E. Adair
 Grant, Anna Maurie Carroll
 Grassle, Bert Adair
 Grassle, Leonah Adair
 Grassle, Ruth Russell Adair
 Graves, Mrs. J. Wallace Adair
 Graves, J. Wallace Adair
 Gray, Edna Sophia Boone
 Green, Edna Putnam
 Green, Mary Geraldine Adair
 Greenwell, Anna Ryan Shelby
 Gregory, Marian Montgomery
 Gregory, Thelma Scotland
 Griffiths, Mary Elizabeth Livingston
 Griffiths, Theodocia Livingston
 Grimes, Belle Clark

Grisamer, Dean Sullivan
 Guffey, Olga Pearl Putnam
 Guffey, Victor Fred Putnam
 Guiles, Corinne Adair
 Gulick, Thelma Boone
 Gunnels, Velma Gladys Macon
 Gusewelle, Grace T. Harrison
 Gusewelle, Marguerite F. Harrison
 Guthrey, Casey Garnett Saline
 Guymon, Carrie Harrison
 Guymon, Marie Harrison
 Haferkamp, John H. St. Charles
 Hagerty, Beulah Marion
 Hale, Delia A. Macon
 Hale, Mabel Esther Schuyler
 Hale, Ruth Audrain
 Hales, Franklin L. Monroe
 Haley, Ruth Anna Callaway
 Hall, Hila Morea Adair
 Hall, Kittie P. Callaway
 Hall, Lulie T. Adair
 Hall, Nellie B. Montgomery
 Hall, Phoebe Jane Macon
 Hall, Sydney E. Schuyler
 Hall, Wilma Frances Schuyler
 Hall, Winnie Lorenda Macon
 Halladay, Hortense E. Adair
 Hamilton, Mabel Olive Sullivan
 Hamilton, Rena Schuyler
 Hammett, Viola May Montgomery
 Hancock, Elizabeth Monroe
 Hanks, Jean Adair
 Hanks, Ralf Adair
 Hanley, Julia Maye Audrain
 Harbert, Daisy Ethel Adair
 Hardgrove, Orpha Belle Macon
 Harding, Louise Pike
 Hardy, Hurschel Hollis Macon
 Harpham, Elmer D. Benton
 Harpham, Mary Elizabeth Monroe
 Harpham, Neva Lynn Benton
 Harppe, Helen E. Marion
 Harris, Mary Jo Adair
 Harris, Rose Sullivan
 Harris, Vesta Lorene Adair
 Harrison, Thelma B. Audrain
 Harter, Myrtle Linn
 Harvey, Frances Marion
 Hatfield, Lulu Putnam
 Hathaway, Patience COLORADO
 Hayden, Bernice Veva Clark
 Hayes, Alfred Linn
 Hayes, H. G. Linn
 Hayes, Mrs. H. G. Linn
 Hayes, Iva May Montgomery
 Hayes, Ray C. Linn
 Hays, Stella Okle Adair
 Hawkins, Eva Randolph

Heaberlin, Augusta E.	Adair	Hoover, Katherine Lee	Linn
Heald, Helen	Iowa	Hoover, Marian Madgalene	Linn
Heald, Howard	Iowa	Hopkins, Flora Clasby	Adair
Hearn, Marcie Marie	Audrain	Hopper, Alma Edna	Shelby
Heartsell, Flora	Carroll	Hopper, Harrel	Shelby
Heathman, Orpha	Adair	Hornung, Emma Cordelia	Carroll
Heathman, Sallie Mae	Adair	Hosman, Eva D.	Marion
Hedberg, Francis Harry	Ralls	Houghton, N. D.	Adair
Heidrick, Sue	Jasper	Houghton, Mrs. N. D.	Adair
Helme, Louise	Adair	Houghton, Thelma	Adair
Helton, Clara	Macon	House, Cleta Carra	Adair
Henderson, Nell Frances	Marion	House, Ralph W.	Pike
Hendricks, Daniel C.	Adair	Houston, Bruce Johnson	Lincoln
Hendrix, M. Edith	Pike	Houston, Eulah Clyde	Pike
Henry, Charlel Trumbo	COLORADO	Houston, Guy Colley	Chariton
Henry, Virginia Young	Pike	Houston, Herman Harold	Schuyler
Hensley, Emily	Montgomery	Houston, Louis Benjamin	Lincoln
Hess, Eugene Dralle	Lewis	Houston, Pauline McAuley	Lincoln
Hess, J. Irving	Adair	Howard, Winona	Sullivan
Hess, Nettie Margaret	Clark	Howe, Forrest	Adair
Hess, Uva B.	Lewis	Howell, Frances	Lincoln
Hessenflow, Anna Edna	Grundy	Howell, Mrs. J. F. O.	Adair
Heyd, Flora Mary	Adair	Howes, Lyman	Adair
Hicks, Charles L.	Adair	Howerton, Helen	Callaway
Hicks, Eva May	Adair	Howlett, Alma Vera	Pike
Higginbotham Anna Paxton	Pike	Hubler, Albert Henderson	Linn
Higgins, Margaret	Adair	Hudson, Bessie Lillian	Knox
Hilbert, Elvesa	Lewis	Hudson, Grace Ruth	Knox
Hilbert, Emma Lake	Lewis	Huebottler, Edith Opal	Lewis
Hilbert, Lucille E.	Lewis	Huey, Leslie E.	ILLINOIS
Hildmann, Hazei	Lewis	Huff, Sylvia E.	Livingston
Hildmann, Sophia	Lewis	Hughes, Bernice	Macon
Hill, Beryl Beatrice	Monroe	Hulen, Geneva S.	Boone
Hiller, Allan T.	Clark	Hulen, Geradine B.	Boone
Hilton, Ida Mae	Chariton	Hulen, Goldie Mae	Boone
Hines, Illa Mae	Scotland	Humphrey, Alma Lee	Lewis
Hitch, Georgia L.	Marion	Humphrey, Jo Walker	Adair
Hitch, Jesse S.	Marion	Hunt, Sadie Madge	Adair
Hitch, Lucy Pauline	Marion	Hurlbut, Ida S.	Linn
Hoag, Frances R.	Adair	Hurlbert, Opal M.	Macon
Hocker, Glenn	Adair	Husted, Beulah Blanche	Adair
Hodgdon, Dorothy	St. Louis	Husted, Gladys	Adair
Hoffman, Alma Opal	Macon	Husted, Omah Veora	Adair
Holbert, Fernando Allen	Lewis	Hutchinson, Seldon	Shelby
Holbert, J. C.	Lewis	Hutchinson, Elsie	Shelby
Holbert, Myrtle I.	Lewis	Hutchison, Gladys Rowena	Adair
Holcomb, Mabel Ruth	Marion	Hutchison, Mabel L.	Adair
Holliday, Millie Lucinda	Sullivan	Hutchison, Roy	Adair
Hollowell, Lillie	Schuyler	Hyne, Lelia Hope	INDIANA
Holman, John	Macon	Inbody, Dollie	Adair
Holman, Leone	Knox	Ingman, Ray H.	Lewis
Holman, Monroe	Macon	Inman, Violet Frances	Knox
Holman, Sterling Elmo	Randolph	Jackson, Daisy Lee	Lewis
Holt, Alva Leon	Grundy	Jackson, Ena	Lewis
Holt, Cora Isabel	Montgomery	James, Glenn Claude	Adair
Holt, Jessie Bell	Grundy	James, Nannie Erma	Adair
Holvey, Marie C.	Macon	James, Noble Harry	Adair
Hoover, Cora Frances	Linn	Jamison, Morris Parker	Adair

Janes, Velma Grace.....Shelby
 Jarman, Harry.....Lewis
 Jarman, Esther.....Lewis
 Jenkins, Mary L.....Grundy
 Jennings, Anna Belle.....Adair
 Jibben, Ralph O.....Adair
 Jobe, Kathryn Oka.....Putnam
 Johns, Cloe F.....Cass
 Johnson, Mrs. Christine.....Randolph
 Johnson, Elizabeth A.....Pike
 Johnson, Emma Marie.....Livingston
 Johnson, James Richard.....Adair
 Johnson, Lucy Snow.....Chariton
 Johnson, Mary Abimael.....Chariton
 Johnson, Orval Guy.....Schuyler
 Johnston, Edith Foster.....Harrison
 Johnston, Etta Pearl.....Pike
 Johnston, Ruby.....Macon
 Jones, Mrs. Alberta Coe.....Livingston
 Jones, Mrs. Blanche P.....Pike
 Jones, Elsie May.....Macon
 Jones, Eunice Pearl.....Adair
 Jones, Georgia Pearl.....Macon
 Jones, Grace Marie.....Putnam
 Jones, Gwen.....Macon
 Jones, Helen Clare.....Schuyler
 Jones, Ica Marie.....Linn
 Jones, Lillian.....Randolph
 Jones, Nellie Bernice.....Adair
 Jones, Sylvia Katherine.....Putnam
 Jordan, Nondas.....Shelby
 Kaser, Olive.....ILLINOIS
 Kaser, Roxibelle.....Knox
 Kautz, Eula F.....Clark
 Keithly, Gladys Della.....Adair
 Kelly, Harley.....Mercer
 Kephart, Zovaletha.....Adair
 Kerby, Opal Gertrude.....Schuyler
 Kerfoot, Thomas Wynneford.....Adair
 Kinble, Minnie Eva.....Laclede
 Kimbley, Beulah.....Knox
 Kimbley, Leta.....Knox
 Kimbley, Lonnie R.....Knox
 Kimbley, Ruby Mae.....Shelby
 Kindred, Lilly Adeline.....Chariton
 King, Delpha.....Iowa
 King, Gordon.....Macon
 Kinney, Mildred Iona.....Linn
 Kirk, Victor H.....Adair
 Kirk, Robert L.....OREGON
 Kitch, Allie.....Lewis
 Kite, Ila Maude.....Caldwell
 Knotts, Mary Ann.....Adair
 Knowles, Madge.....Sullivan
 Lake, Lydia.....Marion
 Lake, Vivian.....Marion
 Lamb, Neva May.....Chariton
 Lamb, Vonnie Marie.....Chariton

Landtiser, Fon Everett.....Putnam
 Lane, Ruth.....Sullivan
 Langford, Mamie Jewell.....Montgomery
 Larson, Arthur C.....Randolph
 Laswell, Dora.....Sullivan
 Lavender, Ruth.....Callaway
 Lay, Hildreth.....Adair
 Lee, Mabel Ellen.....Sullivan
 Lee, Velma Fern.....Macon
 Leeper, Hollis Stewart.....Clark
 Leeper, James Murlin.....Clark
 Leeper, Lonnie D.....Putnam
 Leeper, Maude Esther.....Clark
 Lehr, Clarice Juanita.....Adair
 Lehr, Mabel L.....Adair
 Lemaster, Everett Milton.....Montgomery
 Leonard, Helen Marie.....Putnam
 Leonard, Lucille.....Linn
 Lewis, Adele.....Callaway
 Lewis, Marie Lucille.....Adair
 Liebhart, Malvina Emma.....Linn
 Lightfoot, Mary Frances.....Howard
 Lilly, Goldie Hazel.....Adair
 Lindsey, Lenore.....Adair
 Lichty, Elden A.....Sullivan
 Liter, Elva Lora.....Ralls
 Liter, Oneta.....Ralls
 Little, Olah.....Schuyler
 Littrell, Corinne.....Randolph
 Livick, Elizabeth.....Livingston
 Lockwood, Anna Lee.....Linn
 Loe, Campbell Jackson.....Adair
 Logan, Pelle.....Linn
 Lolkes, Anna Margaretta.....Marion
 Loney, SeDora Antoinette.....Grundy
 Long, Rilla LaFonne.....Scotland
 Long, Sudie B.....Howard
 Longenbach, Myrtle.....Lewis
 Longley, Ruth.....Callaway
 Longwith, Ethel C.....Knox
 Longwith, George Moody.....Knox
 Looker, E. E.....Montgomery
 Lorentz, Merle C.....Shelby
 Loughead, Grace R.....Putnam
 Loughead, Josie Edith.....Putnam
 Lowrance, Mayme Gail.....Adair
 Lowry, Elsie Mabel.....Sullivan
 Lowry, Martha Ellen.....Boone
 Lowry, Mary Elizabeth.....Boone
 Lowry, Roxie.....Gentry
 Lucas, Evalee Flo.....Schuyler
 Lucas, Irma Ruth.....Stoddard
 Luckett, Leona.....Knox
 Luttrell, Fred M.....Monroe
 Lynch, Otho Benjamin.....Howard
 Lyon, Hattie Agnes.....Adair
 Mabry, Batie Lucretia.....Montgomery
 MacDougall, Emily E.....Adair

MacLaughlin, Cecil MINNESOTA
Madden, Thelma Chase Adair
Madders, Emma Pauline Schuyler
Maddox, Cordia Callaway
Maddox, Nellie Callaway
Madison, Esther Knox
Madison, Ruby Pearl Shelby
Madsen, Jens Francis Knox
Maffitt, Mrs. A. R. Daviess
Magers, Ella Mabelle Macon
Mallett, Russell S. Jasper
Manning, Viola J. TEXAS
Marble, Bessie G. Knox
Markey, Mary Maud Schuyler
Markland, Levi Harris Howard
Marshall, Dora Henrietta DeKalb
Martin, Dorothy E. Marion
Martin, Edna M. Clark
Martin, Irma Corbin Adair
Martin, Lola Myrtle Montgomery
Maskey, Anna S. Montgomery
Mason, Aldena Adair
Mason, Harvey Vernon Knox
Mathews, Mary Rida Lewis
Mathis, Hazel Elma Macon
Maupin, Emma Ardena Lincoln
Maxey, Lillian M. Montgomery
Maxwell, Grace May Adair
Maxwell, Myrtle Clark
Mayfield, Alpha Corinne Macon
McCampbell, Norma Pearl Adair
McCarthy, Lillie Coralee Livingston
McCarty, Anne E. Macon
McCarty, Flossie Louella Montgomery
McCarty, Virginia Alice Callaway
McClain, Ella Maude Lewis
McClain, Helen Ruth Scotland
McClanahan, Nancy R. Sullivan
McClaskey, Venus Sullivan
McConnaha, Mary Elizabeth Callaway
McCoy, Ruth Caroline MINNESOTA
McCreery, Ruth Macon
McCully, Mary E. Adair
McCully, Minnie Montez Macon
McCune, Lyda Ellene Randolph
McCuskey, Hazel Janet Schuyler
McCuskey, Ollie Marie Schuyler
McDonald, Virginia Boone
McFarland, Ida Knox
McGinley, Edith Knox
McGoldrick, Edna Schuyler
McGown, Fannie Linn
McGuire, Juanita Adair
McKee, Dora Macon
McKee, Frances Ethelyn Boone
McKee, Helen F. Clark
McKenzie, Dollie Boone
McKinley, Jean Putnam

McMillin, Mildred C. Shelby
McNabb, Sadia May Cass
McNair, Edna Mae Montgomery
McReynolds, William Druce Lewis
Megown, Rebecca Scotland
Merrick, Ethel Scotland
Middleton, Helen Pike
Milam, Ruby Randolph
Miles, Olive Shelby
Miller, Ahneria M. Chariton
Miller, Blanche Macon
Miller, Cinthia Macon
Miller, Ethel Macon
Miller, Luster Paul Adair
Miller, Mary Inez Knox
Miller, Meryle Grundy
Miller, Maurita Knox
Miller, Raphael M. Adair
Miller, Ronald S. Adair
Miller, Zephyr Lee Putnam
Mills, Gladys Putnam
Mills, Neneta Grace Shelby
Mitchell, Garnet Linn
Mitchell, Gwendolyn Boone
Mitchell, Martha Grace Schuyler
Mitchell, Vanda Macon
Mitchell, Verne Taylor Lincoln
Mitten, Delpha May Adair
Moffitt, Laura Mai Adair
Monson, Beulah Selma Saline
Montgomery, Vinnie Burk Adair
Moore, Ellen Blanche Schuyler
Moore, Helen D. Lewis
Moore, Irene Catherine Knox
Moore, Mabel Adria Mercer
Moore, Mary Elizabeth Monroe
Moore, Thomas Jefferson Monroe
Moore, Willis E. Linn
Moorhead, Mabel Grace Montgomery
Moots, Florence Anita Adair
Morehead, Bernice Lillian Sullivan
Morgan, Barton Daviess
Morgan, Bert E. Daviess
Morgan, Gladys Pearl Shelby
Morgan, Mrs. Kate Wallace Iowa
Morriss, Lenore Macon
Morriss, Willa Marie Macon
Morrissy, James Forest Randolph
Morrissy, Sidney Uredice Randolph
Morse, Wayne Pamroy Grundy
Morton, Lottie Louise Randolph
Motley, Mary Myrtle Pike
Mott, Joseph W. Lewis
Muck, Lillian May Lincoln
Mudd, Mae Lincoln
Mudd, Nellie V. Lincoln
Mudra, Clara D. Marion
Mudra, Olive Marion Marion

Mulanix, Icy G. Schuyler
 Muldrow, Marie Marion
 Murphy, James A. Adair
 Murphy, Nancy Adair
 Murphy, Lena A. Adair
 Murphy, Rosemae Adair
 Murrell, Mildred Mae Schuyler
 Murry, Lora Macon
 Music, Ruth Adair
 Musick, W. Earl Adair
 Mustoe, Alta Scotland
 Mustoe, Nancy Mary KANSAS
 Myers, Hilda Marie Schuyler
 Myers, Ruby Helen Macon
 Nagel, Elsa Louise Audrain
 Nagel, Gertrude Audrain
 Naylor, Golah K Randolph
 Naylor, Jenevieve Randolph
 Neale, Frances Boone
 Neale, Ellen W. Marion
 Neely, Leo Lillian Linn
 Neely, Opal Ruth Linn
 Neff, Clara Belle Callaway
 Neff, John Wesley Adair
 Neff, Lottie Mabel Macon
 Neil, Wendell Lowell Adair
 Nelson, Abbie Loretta Lewis
 Nelson, Georgia Randolph
 Nessel, Wm. R. Jefferson
 Netherton, Pearle Harrison
 Neumann, John Jacob Adair
 Newton, Marguerite L. Lewis
 Newmyer, Jewell Arlene Macon
 Newton, Lola Macon
 Newton, Mary Macon
 Newton, Opal M. WISCONSIN
 Nichols, Thomas G. Knox
 Nolan, Ellen Monroe
 Noland, Minnie O. Lewis
 Noland, Myrtle Octa. Putnam
 Nolen, Pearl E. Marion
 Norris, Mary Edith Harrison
 Norris, Verna Alma Knox
 Norvell, Inez Saline
 Nowels, Belle Sullivan
 Nowels, Ethel Sullivan
 Nulton, Mildred Adair
 Obermann, Freida Alvina Clark
 O'Dear, Iva Bernice Lewis
 Okes, Georgia Maurine Pike
 Oldaker, Mary Fern Putnam
 O'Neill, Agnes Shelby
 O'Neill, Genevieve Shelby
 Orr, Hattie M. Montgomery
 Osborn, Glen Grundy
 Osborn, Pearl Grundy
 Oschner, Esther Dorena Clark
 O'Shaughnessy, Anastasia Chariton

O'Shaughnessy, Hannah Chariton
 Overby, Alice Macon
 Owens, Florence W. VIRGINIA
 Owings, Frances Adair
 Ownbey, Beulah Adair
 Owsley, Mary Waller Marion
 Packer, Anna E. Linn
 Page, Ada Sullivan
 Page, Eva Sullivan
 Page, Flora Sullivan
 Page, Mary J. Lincoln
 Paine, Mildred Estelle Adair
 Painter, Virgil E. Adair
 Palmer, Mrs. W. W. OKLAHOMA
 Parker, Lillie Van Clark
 Parks, Thelma A. Adair
 Parsons, Eddie Lincoln
 Patterson, Lena OHIO
 Patterson, Edward L. Schuyler
 Patton, Carter Frances Pike
 Patton, Chrystal Gentry
 Paugh, Hazel Marion
 Payne, Edith R. Scotland
 Pearl, Ruth Lillian Adair
 Peck, Steila Audrain
 Pelikan, Florence Harrison
 Pemberton, Olive Saline
 Pennick, Effie Mabel Linn
 Perin, Coral Schuyler
 Perkinson, Ethyl Pearl Callaway
 Perrin, Mary H. Linn
 Parry, Cleo Beatrice Knox
 Perry, Esther Mae Callaway
 Perry, Hazel Pauline Knox
 Perry, Oliver C. Livingston
 Perry, Kathleen Harriet Adair
 Peters, Nellie Pauline Montgomery
 Peterson, Lena F. Adair
 Peterson, Luria Mabel Macon
 Petree, Crystal B. PA.
 Petree, Myrtle PA.
 Petty, Mrs. Ada Boone
 Petty, Ruby Boone
 Phillips, Aubrey Edwin Lewis
 Pierce, Inez Mary Sullivan
 Piggott, Mabel Irene Chariton
 Pinkerton, Edith Adair
 Pileher, Murl Grundy
 Platz, M. B. Schuyler
 Plemmons, Anna P. Macon
 Pohlman, Fannie Mildred Putnam
 Pollard, Sallie Monroe
 Poole, Mary Elma Schuyler
 Poor, Corbin Lee Knox
 Poor, Leona Knox
 Poore, Earl Yates Jackson
 Porter, Joseph Edwards Sullivan
 Porter, Mary Alice Montgomery

Porter, Nellie Maude Chariton
 Post, Elsie M. Adair
 Potter, Alice Margaret Macon
 Potter, Ferol Elizabeth Macon
 Potter, Frances Adair
 Powell, Gail F. Harrison
 Price, Belle Macon
 Primrose, James William Marion
 Prosser, Goldie Adair
 Purdy, Nellie Childers Gentry
 Pyle, Rexie Howard
 Quick, Hazel Gertrude Sullivan
 Quick, Jessie Minerva Monroe
 Quinn, Carmelita Adair
 Radeliff, Mabel Knox
 Ragland, Dee Shelby
 Ralston, Lola Margaret Macon
 Ramsey, Jessie Evalena Linn
 Randle, Ruby May Clark
 Ratherford, Dorris Lorena Scotland
 Ratherford, Elizabeth A. Scotland
 Rauer, Liera M. Linn
 Ray, Bessie L. Lewis
 Ray, Ruby Nannie Linn
 Redding, Virlea Linn
 Reddish, Nada Scotland
 Redmon, Esther E. Adair
 Redmon, Flossie Leanora Adair
 Reed, Adeline Macon
 Reed, Alma Callaway
 Reedy, Dorothy L. Monroe
 Rees, Dova Lila Iowa
 Reese, Fay Pike
 Reid, Blanche Randolph
 Reid, Johnnie Gladys Platte
 Reid, Mary F. Lincoln
 Reinhard, Ralph Sullivan
 Renshaw, Georgia May Monroe
 Reynolds, S. Ethel Adair
 Rhoades, Mary Luticia Saine
 Rhodes, Mabelle Clair Schuyler
 Rice, Catherine Electa Adair
 Rice, Frances Adair
 Rice, Jessie Wilson Lincoln
 Rice, Luella M. Adair
 Richards, Mabel May Adair
 Richards, Mary Marshall Lincoln
 Richardson, Minnie Henry
 Richardson, Vera Inez Adair
 Rickhoff, Noah Webster Montgomery
 Ridgeway, Bessie Elizabeth Grundy
 Rieger, Mildred Adair
 Riggins, Eva Ruth Sullivan
 Riggins, Paul Sullivan
 Rinehart, Mabel Adair
 Riordan, Margaret Lyons Marion
 Rippey, Elizabeth Clare Schuyler
 Ritchey, Frances Jackson

Roach, Lola Juanita Monroe
 Robb, Georgia B. Howard
 Roberts, Louise Schuyler
 Roberts, Nellie Ethel Putnam
 Robertson, Charles Bryan Ralls
 Robertson, Kittie Glenn Ralls
 Robertson, Martha Thompson Ralls
 Robertson, Paul Joseph Ralls
 Robertson, Sadie Frances Ralls
 Robertson, Susie Ann Ralls
 Robertson, Willie Glascock Ralls
 Robinson, Anna Jane Grundy
 Robinson, Chauncey W. Adair
 Robinson, Cristel Emily Iowa
 Robinson, Fannie May Linn
 Rodgers, Virgil G. Iowa
 Rogers, Emmet C. Adair
 Rogers, Francis F. Adair
 Rogers, Jessie Adair
 Rogers, Mary Montgomery
 Rogers, Nellie Beatrice ILLINOIS
 Rogers, Raymond C. Adair
 Romjue, Norvel Frank Macon
 Romjue, Oma Opal Macon
 Roseberry, Ralph Waldo INDIANA
 Rosencrans, Miron H. ILLINOIS
 Ross, Bruce Lorenzo Adair
 Ross, Nelle Elizabeth Adair
 Rothwell, Orofina Randolph
 Rouse, Lora June Monroe
 Rowe, Grace Leeanna Randolph
 Rubison, Helen Marion
 Ryle, Elizabeth Randolph
 Sadler, Esther Avis Adair
 Samuel, Eldorado Sullivan
 Scanland, Mary Elizabeth Montgomery
 Schatz, Edith M. Shelby
 Schmid, Katherine Mary Putnam
 Scholl, Matie Glenn Callaway
 Schoonover, Electra Sullivan
 Schork, Louie Delbert Lewis
 Scott, Bessie Deborah Grundy
 Scott, Percy J. Adair
 Scott, Ruth Lewis
 Seaver, Mattie Adair
 Sebring, Eva Mabel Linn
 Seckler, E. Catheryn Audrain
 See, Mrs. Otis A. Iowa
 See, Thelma Adair
 Seibel, Ada Virginia Marion
 Seidel, Ida Livingston
 Selby, Eunice Adair
 Semon, Mabel Boone
 Senor, Roy M. Boone
 Sens, Catherine Adair
 Settle, M. C. Adair
 Settle, Mildred L. St. Louis
 Sever, Grace Macon

Sever, M. Eller Macon
 Sever, U. Ova..... Macon
 Seyb, Hilda Clark
 Shallenberger, Ethel G. Clark
 Shallenberger, Iva Macon
 Sharts, Roy Clark
 Shaver, John David..... Adair
 Shaw, Everett Iowa
 Shaw, Nelle Margaret..... Grundy
 Shaw, Orville Iowa
 Shearer, Reba Katherine Randolph
 Shearman, Manona Belle..... Monroe
 Shearman, Mary Edna..... Monroe
 Shearman, Willie Mary..... Monroe
 Shelton, Cytha Duncan Montgomery
 Shelton, Nellie Leigh Montgomery
 Shepard, Myrtle Jackson
 Shepherd, Mabel Schuyler
 Sherwood, Beulah Barbara Adair
 Sherwood, Esther Marie..... Adair
 Shields, Ethel Ione Grundy
 Shipley, Ruby Sullivan
 Shipley, Ruth L. Sullivan
 Shockey, Jennie F. Adair
 Shocklee, Clara Marie..... Lincoln
 Shockley, Zelma Ailene..... Macon
 Shoop, Rosa Sophia Adair
 Shores, Narcissa May..... Howard
 Shouse, Mary Shelby
 Shouse, Virginia..... Shelby
 Showen, Grace Gayle Macon
 Shulse, Fannie Elizabeth Ralls
 Shumaker, Ollie Macon
 Shumard, Gladys Anna Monroe
 Shupp, Iva Blanche..... Adair
 Siemens, Bertha A..... Macon
 Sievers, Katie Emma..... Boone
 Simmons, Bebe Blanche Linn
 Simmons, Ethelyn Wilson Schuyler
 Simmons, Lanore W. Cooper
 Simmons, Margaret Ruth Howard
 Simmons, Ollie Shelby
 Simmons, Ruth M. Howard
 Singley, Charley E. Sullivan
 Sizemore, Elizabeth Irene..... Schuyler
 Sizemore, Fay ILLINOIS
 Skelton, Anna Adair
 Skinner, Estill Grissom Howard
 Skroh, Tressie Martha Harrison
 Slaughter, Ruby Challice..... Schuyler
 Smallwood, Edith Divenna..... Knox
 Smart, Ethyl R. Callaway
 Smart, Opal Schuyler
 Smelser, Edythe Enos..... Adair
 Smith, Edith Scotland
 Smith, Helen Randolph
 Smith, Ione E. Marion
 Smith, Jewell Rachel..... Montgomery

Smith, Leota..... Adair
 Smith, Lenora Emmeline Livingston
 Smith, Mary Elthiza..... Marion
 Smith, Pauline Florence Macon
 Smith, Roxie Muriel Lincoln
 Smith, Sophronia Reynolds..... Pike
 Smith, Willa Gertrude..... Marion
 Smoot, Grace..... Adair
 Smoot, Robert Darrel..... Marion
 Smythe, Ermine Buchanan
 Sneary, Gladys Fern..... Adair
 Sneed, Geo. Frederick Adair
 Snider, Henry Hugh Adair
 Snyder, Wyla Minnie..... Adair
 Snodgrass, Iva Marie MONTANA
 Solan, Marguerite..... Marion
 Songer, Dean Adair
 Sparks, Esther..... Callaway
 Sparks, Maurine Shelby
 Sparks, Walter Edward..... Knox
 Spees, Fred Lloyd..... Lewis
 Spencer, Elizabeth Marion
 Spencer, Hildred Irene Sullivan
 Spickard, Frank Grundy
 Sportsman, Eva Catherine..... Linn
 Sprout, Hobart Arthur..... Grundy
 Squires, D. A. Boone
 Standard, Roy Oliver Scotland
 Stauder, Mary Hortense..... Knox
 Steele, Kenneth E. Putnam
 Steele, Mrs. Ruth Miller Linn
 Steffey, Mabel Kathryn Schuyler
 Stelplugh, Geneve Livingston
 Stephenson, Keith Adair
 Stevens, Gloria May Schuyler
 Stewart, Mary Alice..... Clark
 Stickler, Ralph O..... Sullivan
 Stone, Eva Audrain
 Stookey, Alma Zoe..... Adair
 Story, Alice Hazel..... Randolph
 Story, Berma D. Randolph
 Street, Ica Belzena Linn
 Street, Violet Linn
 Streight, Loyt Anna..... Macon
 Sturgeon, Mary M. Montgomery
 Sturgeon, Nettie Bernice Montgomery
 Sturgeon, Pauline Montgomery
 Sublette, Eleanor Louise..... Adair
 Sublette, Hazel Lewis
 Summers, Harley A..... Scotland
 Suter, Nellie Gladys..... Clark
 Sutterfield, Letha Elizabeth ... Reynolds
 Swank, Anna Ardell..... Knox
 Swank, Beulah Mae Knox
 Swank, Edith Linn
 Swank, Leatha Knox
 Swanson, A. M. Johnson
 Swanson, Hazel Augusta..... Iowa

Swanson, Mary ElizabethSchuyler
Tate, Grace MatildaMontgomery
Tatum, Georgia LeeJackson
Taylor, Bessie BarbaraChariton
Taylor, BeulaChariton
Taylor, C. P.Shelby
Terrill, ClaireRandolph
Terry, Leanna MaurienneSullivan
Tharp, Eula VadaGrundy
Thomas, FernAdair
Thomas, Herschell StephensCOLORADO
Thomas, LeotaMacon
Thomas, Margaret MaudMacon
Thomas, Mildred MarieAdair
Thomas, WinifredAdair
Thompson, Lillie MayGrundy
Thompson, Mary AliceLivingston
Thrasher, Mrs. LovieAdair
Todd, Claude EdgarPike
Todd, Russell IvanLewis
Toombs, Ada MaeRandolph
Towles, Myrtle JaneKnox
Triplett, Claudia J.Pike
Trotter, Marion GretaMacon
Truby, Ann ManillaRandolph
Tuggle, Grace M.Howard
Turner, Cena A.Linn
Turner, Katie M.Boone
Turner, LearBoone
Turner, Nelle IolaScotland
Turpin, GeorgiaLewis
Tuttle, Nellie E.Grundy
Tuttle, Loren WayneAdair
Uhe, ElizabethKnox
Unfer, Edna ElizabethLincoln
Unfer, LouisLincoln
Unger, ArdisAdair
Unger, Ruth OpalAdair
Vail, Hugh A.Adair
Vandervoort, Paul C.Adair
Van Doorn, WinifredILLINOIS
Van Dyke, DemaPutnam
Van Horn, Earl J.Audrain
Van Horne, MarieAudrain
Vannice, Mary F.Adair
Vanskike, LenoreAdair
Vaughn, Lorannah R.Knox
Vaughn, Bloyse MalanMonroe
Vaughn, JeanetteMonroe
Vaughn, PaulineAdair
Verts, James PruittSaline
Victor, VirginiaRandolph
Vitteteau, Cornelia E.Schuyler
Vogel, GertrudeILLINOIS
Vogelgesang, Isaac J.Shelby
Waddill, Ellen MadgeCole
Waddle, Helen ElizabethSchuyler
Wade, EstherCailaway

Waffle, Ida BelleAdair
Waidle, Neva B.Schuyler
Walker, Alvin B.Sullivan
Walker, EuniceAdair
Walker, Harold VernetRandolph
Walker, Viva ViolaLinn
Wall, Zachariah R.Linn
Wallace, Anna FrancesPutnam
Wallace, Flossie GladysSullivan
Wallace, PearlIowa
Walter, LucilleLinn
Walter, MyrlLinn
Walther, L. VivienChariton
Waltz, Waldo E.Scotland
Wampler, Gladys RuthAdair
Ward, Clara HelenBoone
Ward, Golah ElizabethChariton
Ward, Madoline F.Adair
Ward, MargueriteRandolph
Ward, Wilma PearlBoone
Warner, Beulah MaeLinn
Warning, Muriel EdnaRipley
Warren, Gladys LouiseLinn
Waters, Carrie MildredClay
Watkins, HaysieOKLAHOMA
Watson, Vonna HelenAdair
Wattenbarger, MarionAdair
Way, Beulah LucyLivingston
Weaver, Ben T.Adair
Weaver, John BryanAdair
Webb, BerniceMonroe
Webb, Madge MarionMonroe
Webber, GailMacon
Webber, RubyMacon
Weber, MagnoliaAdair
Weeden, Mary E.Shelby
Weir, HelenScotland
Weitzel, Leon ArthurPA.
Welch, Lena MaryBoone
Wells, Arlys EarlAdair
Wells, Claude LeRoyKnox
Wells, Geo.Adair
Wells, NelleAdair
Wells, GarnetteAdair
Wells, RaymondAdair
Wells, RubyAdair
Wells, StellaChariton
Wells, VelmaAdair
Wells, ZelmaAdair
Welsh, DorisChariton
Welsh, Helen ClayClinton
West, LucilePutnam
Western, Byron E.Grundy
Whaley, GraceMacon
Whaley, Mary A.Marion
Wheatcraft, Mrs. BessieAdair
Wheatcraft, Roy M.Adair
Whitacre, HannahAdair

Whitacre, Julia Frances Adair
 White, Anna B. Randolph
 White, Fannie Myrtle. Randolph
 White, Mildred Genevieve Adair
 White, Nellie Delphina Randolph
 White, W. H. Chariton
 White, Zenta Adair
 Whiteside, Nora Schuyler
 Whitson, Willie Audrain
 Wickham, Aldena Shelby
 Wickizer, Doris Linn
 Wickless, Frances Putnam
 Wickless, Joyce Elizabeth Putnam
 Wilkerson, Samuel Pendery Shelby
 Wilkerson, Mrs. Samuel Shelby
 Willeford, Eva Frances Iowa
 Williams, Carmen L. Randolph
 Williams, Dayton Chariton
 Williams, Hortense Berrien Adair
 Williams, Jennie Lynn Macon
 Williams, Mary Floy Montgomery
 Williams, Vivian Auba Linn
 Williams, William Merrill Chariton
 Willis, Hazel Erma Schuyler
 Wills, Carrie Belle Monroe
 Wilson, Alice Leota Buchanan
 Wilson, Byron Rolette Iowa
 Wilson, Edith G. Montgomery
 Wilson, Hazel May Chariton
 Wilson, Helen Naomi Buchanan
 Winfrey, Glessie Azalia Carroll
 Winiette, Fern Adair
 Wood, Archie Adair

Wood, Chloea L. Clark
 Wood, Kathleen Shelby
 Wood, Ruth Grundy
 Woodruff, Freda Brainerd Clark
 Woodruff, Jessie June Clark
 Woodruff, Maurine Clark
 Woods, Mary Lee Adair
 Worthington, Glen Putnam
 Wright, David M. Knox
 Wright, Edgar A. Adair
 Wright, Flora Alma Vernon
 Wright, Lucille Gladys Monroe
 Wright, Robert Callaway
 Wright, Roxie Pike
 Wright, Thomas L. Adair
 Wright, Velma Eunice Macon
 Wyatt, Goldie Pearl Mercer
 Xander, Opal Florence Knox
 Yancey, Mildred Lucille Shelby
 Yarbrough, Beatrice M. Adair
 Yates, Mary E. Schuyler
 Yeater, Chloie E. Macon
 Yetter, Christine Montgomery
 Yocum, Mary Adelia Chariton
 Yocum, Warren Watson Chariton
 Young, Bessie Nell Harrison
 Young, Sibyl May Adair
 Yowell, Irvie Lee Monroe
 Yowell, Ruby May Monroe
 Zahl, Gladys Randolph
 Zeigel, William Adair
 Zimmerman, Edith C. Adair
 Zimmerman, Ruby Phoebe Harrison



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